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How Management Develops Its Managers

Abstract

In this paper specific concern is with the development of the four or five subordinate supervisors who work directly under a manager. Assuming that a manager's subordinate supervisors do need developing and training, and that these men seek development and training, the paper deals with what the "boss" can do to develop his people in an on-the-job training situation. Illustrating the necessity for thoughtful, businesslike, and systematic training, the paper contrasts the keen attention most managers give to the "material" phase of their business with the less carefully planned managerial attention given to the "people" phase of their business.

By Richard R. Crow

A large company held an essay contest and offered prizes to its employees who wrote the best short essays on "Why I Like My Job." On the spur of the moment, you might expect the items mentioned most often to be: My boss seldom criticizes me; he leaves me alone; or he sometimes overlooks rule-breaking. However, these were not the reasons the employees said they liked their jobs. In this contest people said they liked their jobs not because they were never criticized, nor because they had an easy job, nor because they were left alone. Instead people said they liked their jobs because they had an opportunity to advance, because they took pride in producing good products, and because their work was important.

What do you think would have happened if this company had run a contest on "Why I Like My Boss?" What would happen if your company ran such a contest next month? Would there be some people who would not bother to enter the contest? Would **your** people participate? What would they say they like about **you?** Why do your people work for you? If they had a chance, would they want to be transferred from under your supervision? Do you think they really want to work for you?

Let's think about these people who may or may not want to work for you. Some of you in this room supervise the work of 500, 1,000, 1,500, or even more employees. But it is a much smaller number who work **directly** under your supervision. Perhaps there are some 7, 10, or 15 people with whom you have direct, daily, or quite frequent contact. They are probably some staff people and four or five managers or supervisors. You may be responsible, in a broad way, for the training and development of 500 or 1,500 people; but you have a much greater and more personal concern with the job performance and improvement of, let's say, five supervisors who work **directly** under you.

Let's limit today's discussion to the training and development of these five supervisors.

In today's discussion we are not necessarily concerned with their training and development in the technical aspects of their job. Important as technical "know-how" is, today we are concerned with the "how" of developing leadership ability in these four or five supervisors who work directly for you.

Let's take a look at your five supervisors. The average supervisor or manager in the refinery business is, perhaps, 45 years of age, and probably has had an average of 15 years of supervisory experience. He is no neophyte. He's been around refineries for a number of years.

It may be that you don't think he needs to be trained. Maybe he doesn't **think** he needs to be trained either. Maybe your operation is running as smoothly as you can expect it to run. But that's doubtful, isn't it? If that were true, you probably wouldn't be concerned—at least not enough concerned to attend this particular meeting. You must feel that there is room for improvement—that there are better ways than you are using to train and develop your five supervisors.

The Urge to Improve is Universal

Do people of 45 years of age, with 15 years of supervisory experience, want to learn new things? Do people, generally want to learn new things; or is learning reserved strictly for teen-agers? As Americans, we have a profound faith in education. Many parents have said: "If I could only get Junior through college!" We have watched night schools and correspondence schools flourish and increase in enrollment. Adults are going to school all over the country. It seems that all of

us, regardless of age, have a desire to be in a learning situation. Many adults will even use their own time and money to put themselves in a learning situation if they feel that learning a new skill will pay off at a later date.

This drive for learning and self-development which doesn't stop with a diploma is a wonderful thing, and has great appeal for many people in our companies. It, of course, is more appealing to some than to others; but, by and large, there is a spark of this drive for self-improvement in almost everyone, particularly in your five supervisors. It's up to us to develop ways and means of tapping that interest in our people. Actually, every manager must be constantly sponsoring and improving the processes of personnel development.

The Job is the Boss's!

In considering the training of the five supervisors who work directly for you, who is available to do the training? Is it the training director? Special instructors? University and college programs? Or should you hold group training sessions in your company? These all contribute. They all have a place. But in today's discussion we are not concerned with them. Instead, we are concerned with only one approach: **What the "boss" does, personally, to develop his supervisory people**—or your actual training and development activities with your five supervisors. Not what you can have others do, but what **you** can do with your people.

There is strong evidence that on-the-job experience under competent coaching and tutelage by the "boss" is perhaps the major factor in the development of successful and efficient managers and supervisors. Thus there are many who believe that the best way to train managers is through their supervisors, or by depending on the line organization to do the bulk of the actual training.

I can hear you saying: "But that's the old way. That leaves the training and development to chance." Perhaps it might, but does it have to mean leaving the growth and development of these people to chance? The problem is how to avoid leaving it to chance. If we assume, then, that a large portion of this training and development activity rightfully belongs to the boss, it means that we must depend on him to do the bulk of the actual training, coaching, and tutelage of his people.

It is a well-known fact that a coach seldom is successful unless he has a strong, driving desire to help the person being coached. We don't normally go out of our way to help other people develop themselves unless we really want to do it. Although it is often considered a part of a manager's job, the development of his subordinate supervisors often calls for his attention over and beyond the normal call of duty. Thus the climate of thought and feeling which exists between management people in an organization has a direct effect upon the results of this on-the-job development activity. The boss has to **want** to train and develop his people.

Consider Three Concepts!

So, before attempting to use this on-the-job relationship as a development device, we should first satisfy ourselves that we have thought through and thoroughly understand and agree with these three concepts:

1. **First,** ask yourself: "Do I appreciate the magnitude, complexity, problems, and rewards involved in developing and training people?"

It's a man-sized job, and it's not easy!

2. **Next,** ask yourself: "Do I consider the development of people a major part of my job?"

Most of us sense what the boss thinks is important. However, the mere fact that he says that something is important doesn't automatically make it important in our minds.

There's an old slogan: "Your actions speak so loud I can't hear what you are saying." In other words, our everyday dealings with our people must prove to them that we are interested in their development as individuals.

3. **Then,** ask yourself: "Do I thoroughly understand the general principles of training and developing people?"

The development of people is a skill which must be perfected by practice. In fact, it becomes so complex a problem, at times, that it might be said to be an art.

When you agree and are convinced that both you and your five supervisors appreciate and understand these three concepts, conditions are favorable for an on-the-job management training and development activity. If conditions are not favorable, we should concentrate on building more favorable conditions or a climate of understanding which is more conducive to on-the-job development.

To Think is the Challenge

I suspect that many of you are saying: "That's all well and good, Crow, but what if you don't have proper climate? What would you do about it?" Well, let's look at how we have attempted to improve people's attitudes and understandings of personnel development. In general, we have attempted **selling** people on this management training and development activity. Selling has normally taken the route of telling, requesting, or suggesting that this or that be done.

As a result, a lot of lip service has been given to this activity; and lip service hasn't done the job! This is an activity where the manager or boss has to **want** to develop his subordinates. So, instead of attempting to get proper climate by selling or telling, we must help each manager think through the problem of how he goes about teaching anyone to do anything. He must be challenged to think more deeply about the problem of developing his subordinates, which is an integral part of, and the essence of, good management itself.

A Comparison is Pertinent

As "people" development is such an important part of the management job, let's compare the methods which a manager uses in handling the "people" end of the business with the methods he applies to the "material" phases of the business.

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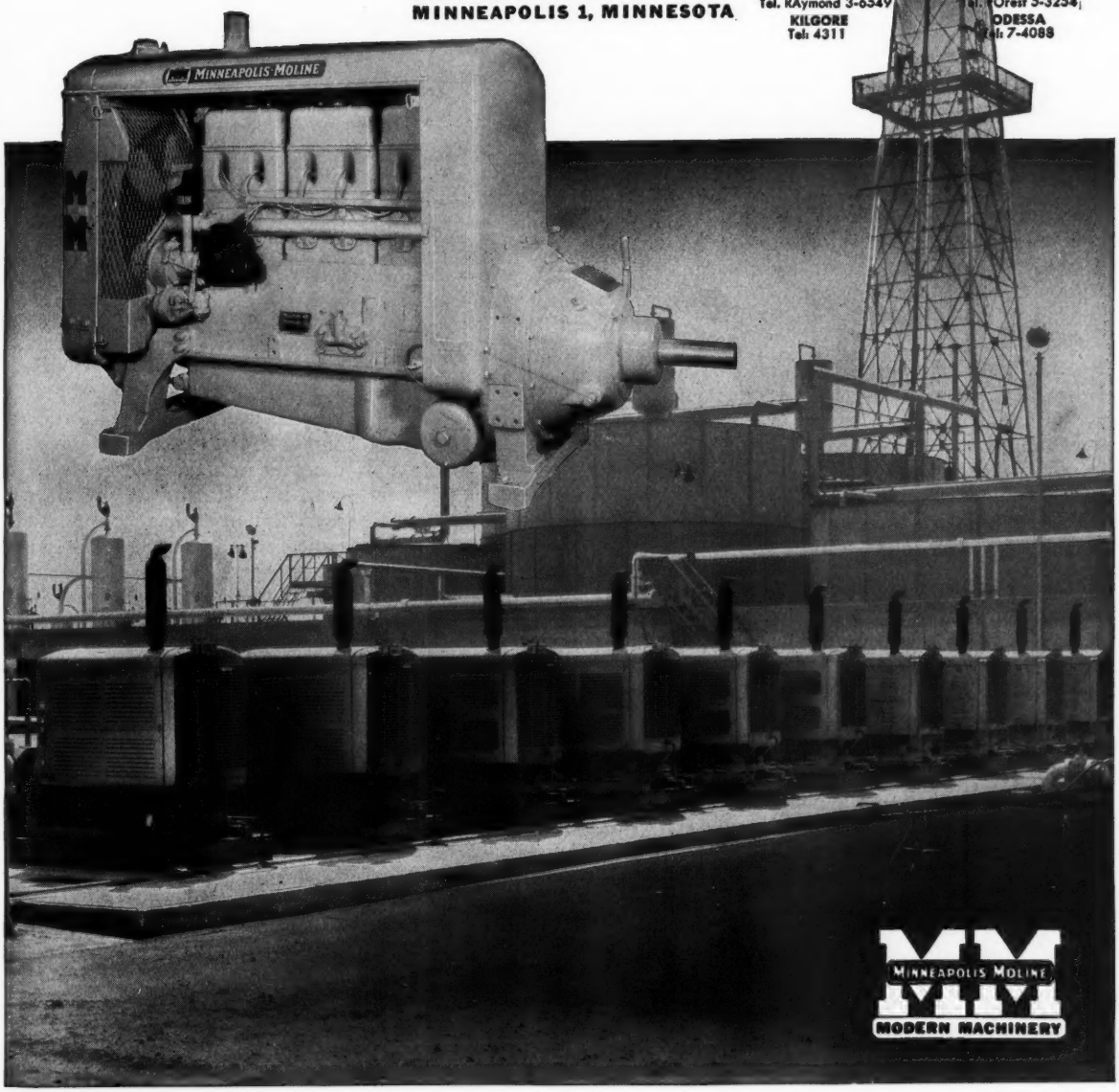

Many years ago, and through the intervening years, that part of the management job which has to do with the maintenance, repair, and replacement of capital-equipment items has been given deep thought and continuing attention by managers. As a result, the control and management of capital equipment have become efficient, effective, and well planned. Let's look briefly at what a manager does with respect to this phase of his job:

1. He keeps accurate investment records, so that he is always certain of the equipment he has.
2. He keeps daily cost and yield records of its productiveness, and periodically summarizes and analyzes these.
3. He keeps the equipment well greased, oiled, painted, and in good repair. In other words, he pays it a lot of attention.
4. He determines the equipment's worth or value during an annual or semi-annual inspection or turnaround.
5. He alters, changes, and modernizes equipment to keep it up to date. He is always on the lookout for any changes which can be made to equipment to make it more efficient and profitable.
6. Further than that, he plans for replacement. He realizes that, at some future time, any piece of equipment must be replaced. He plans for the financing of the new piece of equipment, regardless of whether replacement is his problem next month or next year.

Handling People is Similar . . .

At the risk of oversimplifying a complex problem, let's relate the management controls over capital equipment to possible related controls over the five supervisors reporting to you and see if it gives us a lead on how to do a better coaching, development, and management job. As we relate the management controls over capital equipment to that of people, it may be helpful to you to think of an actual individual who handles his equipment problems well. Perhaps you have learned a lot of what you know about refining from just such a man. Let's see if there is a relationship between the way this man handles "equipment" problems as compared to the way he handles "people" problems. Won't you agree that people should get as good or better treatment than machines and equipment? You will agree, I'm sure, that we should show a greater concern for our five supervisors than for, let us say, a catalytic cracking unit.

And it's Done in Six Areas . . .

Let's make this comparison in six general areas:

1. The Inventory Phase

We said that a manager keeps accurate, current investment records of his equipment, and constantly inventories this capital equipment. In other words, he knows how old each equipment is, and what its present value is. He constantly looks for spare or surplus equipment which can be utilized to advantage in another location.

Isn't it just as logical and important to relate and compare certain measurable variables between supervisory people, such as their age distribution, their length of service and kinds of experience, their length of time on the present job, their retirement schedules, and the number and location of men with potential; and use the results of these inventory studies as a basis for our day-to-day supervision and long-term manpower planning?

2. Daily Inspection and Analysis Phase

Here a manager keeps a daily or weekly cost and yield record and, periodically, summarizes and analyzes these records to determine and be aware of any "drop off" in efficiency. He does this to compare with previous experience, or with current experience, or with similar units, to locate bottlenecks and trouble areas. If the daily maintenance costs are excessive, he plans for the replacement of the equipment. He follows the trend of daily efficiencies to schedule and plan the "downtime." The successful manager makes daily inspection trips to examine his capital equipment and to look for spots and items which need quick maintenance attention.

A manager I once worked for was not satisfied to look at the inspection records once a month. Instead he kept daily contact not only with the records, but with his people. He made it a point to visit and talk with each of his five supervisors every day. In these daily contacts he was constantly looking for small problems considered important by his supervisors. He was giving them every opportunity to do a little griping, if they wanted to, or to complain to him, if they felt like it. He encouraged them to vent their feelings—not once a month or once every six months, but every day!

I am told that one large and successful company insists that its supervisors make it a point to talk, personally, with each and every man who works for a supervisor at least once a day on an individual and personal basis—not just to have something to do, but to keep up to date with the individual's feelings and problems and tensions while they are still in the embryonic stage. Many a potential problem can be solved before it develops into a real problem in this manner. In other words, the supervisor is running his own daily inventory check of people's feelings.

3. Daily Maintenance and Upkeep Phase

As a result of daily inspections, the manager finds items which need quick and immediate attention to avoid a breakdown or to reduce a large, future maintenance cost. Thus, as he isolates these needed daily maintenance tasks, he sees that immediate repair takes place. Here he even has special maintenance crews, whose prime purpose is to keep the equipment well greased, oiled, painted, and in good repair so as to protect the capital investment and to insure its prolonged, continued, and efficient service. He makes it a point to repair the "trickle" before it becomes a "stream"—to scrape and repair that spot on the tank before it rusts through.

The manager I referred to before sometimes found a trouble area—a supervisor who was out of sorts, who didn't feel right about an order which had been issued, or who misunderstood the reasoning behind some recent action. If this manager sensed these things, he took immediate, remedial action. In other words, he took time out for a more thorough explanation when he found

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a misunderstanding. He found that a few minutes today might save hours of discussion at a later time, or might even save the eventual replacement of that supervisor.

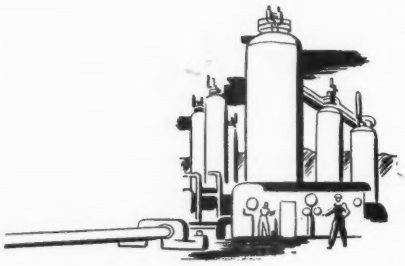
4. Periodic Shutdown and Appraisal Phase

Although a good works manager or superintendent, the kind we have been discussing, has a daily maintenance and checkup schedule on every piece of equipment, he still feels the need to make periodically a thorough appraisal and inspection, which requires a complete shutdown of the equipment. During the turnaround he thoroughly inspects the thickness of metal walls, tests and inspects relief valves, checks corrosion of plates and bubble caps, and thoroughly cleans the equipment.

Just as most of his management actions regarding equipment are based on his studies and inspection of that equipment, so are his supervisory actions based on his judgments and appraisals of his people. In fact, his every supervisory action is the result of judging and appraising many combined actions and activities of a given individual over a past period. In like manner, any development or training which he hopes to achieve with a given supervisor is dependent upon his accurate analysis of the needs of that individual. All of his training and coaching and developing of an individual supervisor is dependent upon his appraisal of that individual's abilities and needs. As managers, we must constantly attempt to improve and perfect the ways and means of appraising and judging our people.

It's one thing to reach a conclusion regarding an individual's strengths and weaknesses through an appraisal process. But it is quite another problem to achieve a common understanding between you and that supervisor regarding these judgments which you have made concerning his strengths and deficiencies. Tied with the appraisal is the appraisal review or counseling with each individual, until the two of you have reached a common understanding regarding strengths and weaknesses.

Thus each manager is faced with the problem of "how" to obtain a



mutual understanding with a subordinate regarding deficiencies, and how to plan ways and means of improvement. This involves effective counseling. A counseling discussion is one in which an employee begins to understand himself and comes to a better understanding of his strengths and deficiencies. If a manager resorts to telling him his deficiencies, this in no way guarantees that the individual will agree that these are deficiencies.

As supervisors and managers, we are faced with the problem of working toward a common understanding through discussions with subordinates. We must keep in mind that it is important to consider that an employee cannot effectively act to improve or change himself until he is convinced of the reality of his shortcomings, and until he desires to improve.

5. The Modernization and Coaching Phase

As a result of a shutdown inspection or day-to-day yield records, the manager reaches conclusions regarding the altering, changing, and modernizing of the equipment to put it back in efficient operation, and to increase its yield or improve the quality of the product. To determine the required change or alteration, he studies many possible approaches. He finds out what others have done to improve the same kind of equipment. He constantly studies new developments in refining equipment, with an eye as to whether it has application in his operation. Before actually starting a modernizing program, he studies the dollars-and-cents payout of this increased expenditure.

In like manner, the development of management and supervisory ability, in his people, is a complex task to which there is no simple answer or single approach. Fortunate, indeed, is the manager who has as his boss a man intently interested in his growth and development, one who will throw new and different experiences his way, and constantly challenge him to meet and solve new management problems. He is especially fortunate if, during this process, the boss acts as a coach.

What, then, are some of the techniques a boss can use in doing effective on-the-job coaching and development work? For example: Many good superintendents are not satisfied with one of their supervisors who merely observes a certain management action. Instead, prior to taking administrative action, the superintendent discusses with his supervisor what he plans to do, and points out things he should look for. After the action has been taken, the superintendent discusses why he did what he did when he did it. He believes that mere exposure to an experience is not enough. He believes that certain jobs, by their very nature, require more cooperation between departments than others do. He attempts to move people into these learning situations whenever possible. When a special-problem assignment is made, he not only considers the person who could produce the best results, but he also considers the person who needs the experience. And, sometimes, the assignment results in a compromise between ability, on the one hand, and the need of learning a new skill, on the other.

Frequently a good superintendent will take a subordinate with him to a management meeting, and counsel with him after the meeting as to why certain things were done and coach him in how they were accomplished.

This type of manager is not satisfied merely to pass out printed material for his people to read. Instead he holds staff meetings to discuss the article or the report which all had read.

He delegates to his supervisors many short-term work assignments —sometimes not even related to the man's current job, but assigned, basically, as a learning and development opportunity. It is not uncommon for him to alter or interchange job content between people to expand and enhance their ability.

6. The Replacement and Upgrading Phase

He realizes that, ultimately, all equipment will either wear out or become obsolete. He must determine the kind of replacements he desires and plan for their financing. He relates and compares the age of various pieces of equipment to be sure he will not be caught short with a large percentage of his equipment near replacement age at the same time.

In like manner, the outstanding manager plans in advance the possible replacement and upgrading of his people. He does not wait for an emergency to arise. In fact, he is prepared for the emergency because he has anticipated it. He has studied the inventory of the skills and background of his men and the results of his various appraisals of them, as well as the degree to which they have absorbed the coaching and training he has given them. He has reached conclusions about his most promising candidates for advancement, and has made plans for the possible jobs they could fill at a later date.

Integrate with Regular Management Function!

In conclusion, then, I have attempted to imply that management, in general, could greatly improve the training and development of its supervisory group if it paid as much attention to the "people" phase of its business as to the "equipment" phase of the business:

1. With equipment, we keep investment and inventory records. Should we not do the same with people by understanding their background and experience and inventorying their skills and abilities?

2. Just as we give daily attention to cost and yield records, so should we have daily and frequent contacts with the individuals under us.

3. As we maintain frequent and daily maintenance of equipment, we should also attempt to give daily attention to small misunderstandings before they become major issues.

4. Just as we determine the worth and value of equipment, so should we appraise our supervisory group to be certain that both the supervisor and we ourselves understand his strengths and weaknesses.

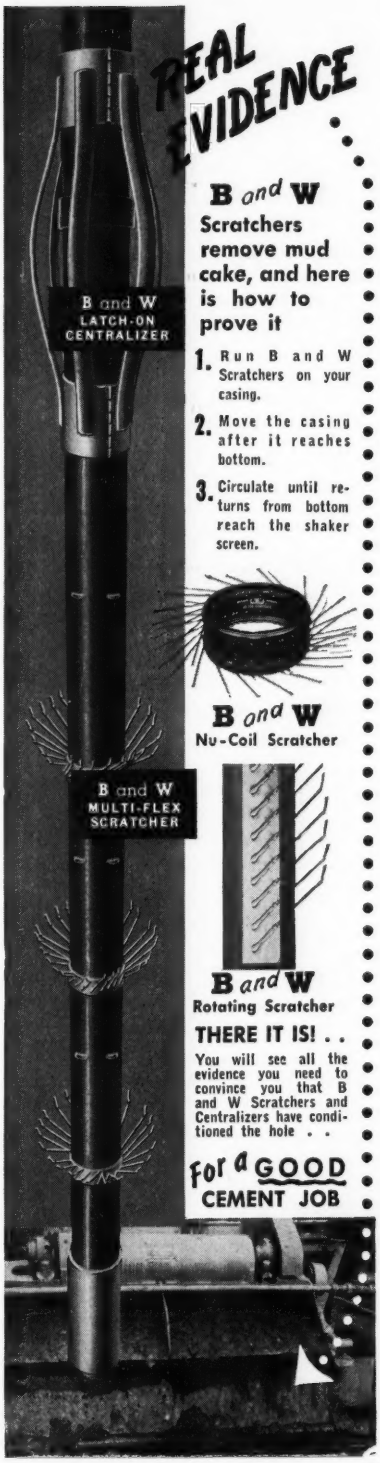
5. Just as we make specific changes to modernize our equipment, so should we make plans to coach, train, and develop our supervisors.

6. Plans for the replacement of people should receive equal attention with the plans to replace and retire equipment.

In other words, these activities should become an integral part of a management man's regular duties. We should make the study of, and understanding of, our people our constant concern. They should be given daily and frequent attention. We should be appraising the management manpower we have and inventorying it. Each individual's training needs should be under constant scrutiny, and should be discussed with him regularly. The study and revising of manpower replacement tables should be made an integral part of a manager's function. In other words, if we make these items a part of our regular management function, a large part of our training for management leadership would be accomplished as a part of the process.

***Continental Oil Co., Houston, Texas.**

Presented to a session on training during the 19th Mid-Year Meeting of the American Petroleum Institute's Division of Refining, in the Rice Hotel, Houston, Texas.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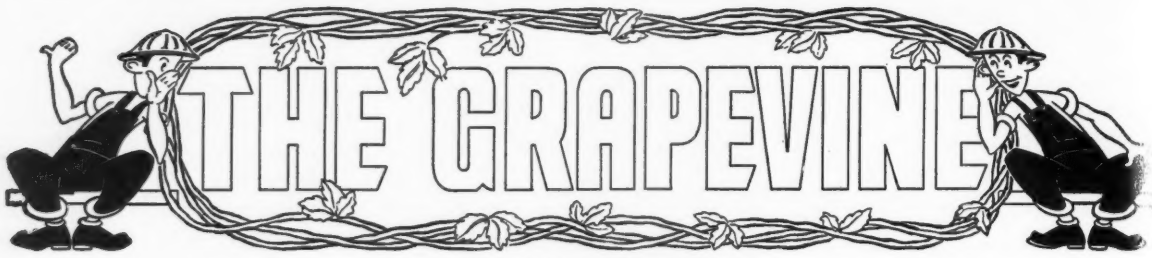

By RICHARD SNEDDON

The AAODC Barbecue

Later we joined a concourse of some five or six hundred drilling contractors and their friends at Camp Comfort where Fritz Huntsinger, Martin Mears, George Ruggels, Alex McLean, and their Barbecue Associates dished up the usual delectable repast. At this gathering we traded yarns with Karl Kellogg, the national president of AAODC, and John Grant, chairman of the local chapter, and became embroiled in a liars' contest with Jim Gregory, Don Grubbs, Ben Bayliss, Larry Miller, and several sharpies that nearly cost us the family jewels and proved to us once again that gambling and prevarication never got nobody noplace. Apart from this minor mishap, the fiesta was a most enjoyable affair at which we met all sorts of contractors and the oil people with whom they are allied.

Beating the Red Hand

By way of last minute roundup, Ham Bell is back home again recuperating after another siege in the hospital. C. H. "Buck" Buchanan, the Emsco pioneer is also at home after a rugged time with the doctors but at last accounts is showing marked improvement. Congratulations to John Neale, the new prexy of Lane-Wells Company! John is one of the best and we knew he could do it. A postcard from Swede Larson in Mainz, Germany, tells us that he has just finished a tour of Scandinavia, has climbed all the Swiss Alps, and after going down the Rhine, intends to spend a month in England. He hopes to be back stateside about October 15. As we go to press, comes a note from Mrs. Elizabeth Seals announcing that the Ventura Desk & Derrick Club will hold its annual Bosses' Barbecue at Camp Comfort on Tuesday evening, September 14, 1954, with the Petroleum Barbecue Associates cooking the steaks. We have pleasant recollections of attending the last affair of this kind and shall certainly try to take advantage of this invitation.

Visiting New Yorker Feted

It was our pleasure recently to be invited to a snug little gathering honoring Joe Taylor, the eminent and estimable New Yorker, who retired a short time ago after a long and productive career as director of purchases for Socony Vacuum Oil Company. The party which was held at the Petroleum Club was hosted by Fred Currie, the Copperweld executive, and included such noted Nineteeners as Monte Lindmoe, the suave Southwest Welding Company major-domo who revived and is still reviving "I Get the Blues When It Rains"; Claude Lane, Standard of California purchasing chief from San Francisco, prominent duck hunter and perennial Calcutta winner; Al Dragge, the handsome A. O. Smith higher-up who carves one of the neatest divots in western golf; C. H. "Tut" Tuttle, another Standard of Cal purchasing biggie, whose facility with the fiddle has Spade Cooley trembling in his shoes; Hal Davis, beater of the Meyer Drum, former Nineteener Big Shot and Palm Springs socialite; and Paul Whiteley,- purchaser extraordinary for the Flying Horse and all its progeny, besides being a domino player with a rare understanding of the five multiples. Also present was our nephew, Jack Bryson, young Montreal attorney, who enjoyed himself no end just listening to the adventures of this completely uninhibited coterie. We might mention, too, that Charlie Perkins, Union Oil Company's top purchaser, looked in and paid his respects to the guest of honor. Charlie is the lad whose devastating southpaw golf and gin rummy have brought wide acclaim to the little village of Los Nietos.

High Finance on Broadway

Out of the welter of reminiscence that this meeting produced, we gather that Joe Taylor has over the years been guide and mentor to an army of young Californians who were more than awed by the New York pace on their arrival in the big city. We were particularly tickled with Monte Lindmoe's account of the time he took $50.00 back with him for the sole purpose of giving Joe a big time. At the first rathskeller they visited he managed to catch a glimpse of the check. It was for $80.70, or something like that. Monte acquired an advanced state of the jitters, and Joe ended up by being host once more to a stranded Californian.

Doings at Bonnie Brier

Having had a number of opportunities to discourse with Joe Taylor under the right circumstances, it is easy for us to understand why he should be one of the best known and best liked purchasing executives in the petroleum industry. He is a wonderfully entertaining chap, and from all accounts he has practically made a hobby of befriending bewildered oil men. Anyway, Fred Currie's little party was a lovely gesture in behalf of a lovely guy, and we felt right proud to be counted in on the deal. Incidentally,

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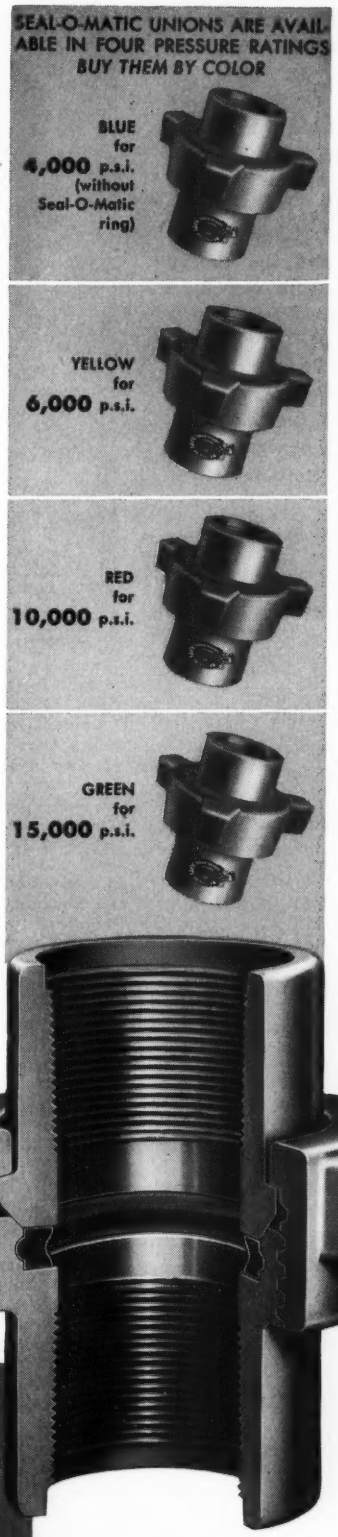
High in strength because they are high in quality, Guiberson Seal-O-Matic Unions are rugged, heavy duty couplings that stand up to the severest tests.

Double-sealing Seal-O-Matic Ring and metal to metal seat hold working pressures securely. Seal-O-Matic Ring is molded from special oil resistant compound that will not deteriorate in oil, gas or under pressure. All metal parts are made of high tensile alloy steel, accurately machined to assure interchangeability.

Quick and easy to make or break, Seal-O-Matic Unions are ideal for a multitude of uses ...with minimum upkeep and positive, leak-proof seal.


SEAL-O-MATIC UNIONS ARE AVAILABLE IN FOUR PRESSURE RATINGS
BUY THEM BY COLOR
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YELLOW for 6,000 p.s.i.
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Regular Unions have line pipe thread. Also available in EUE 8 round thread.

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it has nothing to do with the foregoing, but Joe tells us that Hank McAdams, the Jones and Laughlin sales chief back in New York and former president of N. Y. Nomads, has a 13 year old son who is shaping up as a top flight golfer. He does his practising at the Bonnie Brier Country Club, and his scores are usually down in the high sixties and low seventies, which peculiarly enough is exactly where we find ourself at the end of the first nine. All of which, excepting the last sentence or two, will be interesting to Hank's many friends out this way.

Petroleum Club Del Mar Day

The Petroleum Club Del Mar Day, thanks to Jim Kelley and his activities committee, was a whingding of an exceptionally high order. About 185 people journeyed to the track on a special Santa Fe train that was really a lovely thing with a dome car, two diners, and a string of lounge compartments that looked as if they had just been completed yesterday. Willie Shoemaker obliged by coming in with four winners, one of which was Black Rascal, winner of the Petroleum Club handicap, and Dave Day, the general prexy of the Club, formally acknowledged this latter feat by swathing the proud horse in a blanket of flowers.

Your Correspondent Hits

We personally made a lovely start by placing five simoleons to show on a pinto named Heather Hawk in the first race. For this exhibition of national pride we were due $38.50 which we tried to collect before the horses had quite passed the post, much to the disgust of the payoff department. Most of the punters had a pretty good day, especially Harry Dahl who had money coming in every race and is now seriously considering giving up the oil business and hanging out his shingle as a track tout.

Vas You Dere, Sharley?

Among those who were present at this pari-mutuel safari were Charlie Eastman and his lovely lady who, incidentally, was Bing Crosby's secretary for a lot of years;

NORTH TEXAN MAKES GOOD IN THE DEEP WEST

John J. Neale, the recently elected president of Lane-Wells Company, is a tall, pleasant appearing, and nice mannered chap who was born in Leonard, North Texas, attended high school in Denton, and later was graduated from Texas A & M. For the first six years of his working life, John was a considerable attachment of The Texas Company production and pipe line departments, then in 1936 he joined Lane-Wells Company as a loader in Houston, Texas. Thereafter, he became involved successively in various aspects of the business, beginning as a helper and graduating to perforating operator, thence to operator in charge, sub-district superintendent, division sales engineer, and eventually district superintendent of the Gulf Coast. For two years he officiated as division sales manager and for the next six years was division manager of the Gulf Coast area.

Throughout this extensive and valuable experience, he became thoroughly conversant with the tools and techniques of oil production and at the same time demonstrated the executive and administrative capacities that finally lofted him to the presidency of the Company. With all his success, John is a completely modest chap, easy to know and easy to like. His spare moments are few but he does like occasionally to venture out on the golf course and, although he is not exactly proud of what he does there, he nonetheless finds the ancient pastime a diverting and relaxing exercise.

Andy and the Bill Kirks of Southern California Petroleum Company fame; the Ward Blodgets and a stash of guests; the Monterey Ernie Pyles, with whom we sang off-key harmony all the way home; the Bill Goertzes, who helped us make our selections; John Hunt, the banker, and dome-car glee club leader; Doug and Mrs. Graham, the globe circling drilling contractors and housing experts; Dee Taylor the domino whiz and his guests the Bankline L. L. Auberts and the Sam Pattersons from the same august institution; the consulting Fay Wrights and the blue iron Jay Bushes; Pert Sargent and his right arm, Al Pruett, the Sargent Engineering delegates; Bill Abernathy, the pipeliner with Ralph McFall; the Archie MacDonalds, yacht people and albacore smokers; Monte Lindmoe, the singing Southwest Welder and party; and the Jim Kelleys and Dave McIntoshes, obviously enjoying themselves without too many winners.

Axelsonians and Emsconians

Also present were the Henry Paulsens, noted Bankline dialecticians; Frank Leonis, the Securaloy booster; the David Days, Petroleum Club and Richfield higher-ups with the C. R. McKays; the Ches Bralys, highly reputable Long Beach citizens; the Tom Shermans, experts in all types of speculative enterprise; the Howard Supply Company Hal Howards, hobnobbing with everybody aboard; the Bo Weills, Ethyl execs, and guest, Jack McCauley; the Shell Company Mel Sheppards and guests; the Axelsonian Clayton Roses; the Bill Gests, a pair of consequential Duponters; the Joe Gilliands, a section of the Whittier upper crust; the Jack Sicklers, the popular A. O. Smith people; the Bert Birnies and guests representing Security Engineering Corp.; The Emsco Tiny Bushes and guests; the John Flanagans, Johnston Testers' elevated exporters; the Stark Foxes, Oil Producers Agency veep; the Utility Petroleum Archie Frasers and guests; and the O. H. Hammers, the Security Engineering and PESA top hands.

Land Experts Try to Land Winners

Then there were Mrs. Orrie Hedges and guests (Orrie couldn't come, so we appointed ourself guide to these lovely ladies); the Art Fishers of International Exploration Company with a race track exploration party; the Reg Keanses, lands and leasing people, with a

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75 years ago one of the companies from which Standard Oil Company of California grew was formed by five men. In those days smaller communities and simpler needs could be served by concerns owned by one man or a small group. They furnished all the money—they kept all the profit, too. But the West grew tremendously, and we've grown up with the West.

Today, no one man could pay for all the oil fields, refineries, and other equipment Standard needs to serve you well. These investments are shared among Standard's 112,000 owners. About 97% of these shareholders are private individuals like you—including 12,000 Standard employees, our largest single group of owners. In addition, 293 schools and universities are owners of Standard, along with 224 churches and religious organizations, 165 hospitals and medical groups, and 1889 small and large businesses. These are our sole proprietors—we are neither owned nor controlled by any of the Standard companies in the East. Like the proprietors of any company, these shareholders receive the profits from their business. Each dollar they have in Standard is now earning approximately 10¢ a year. Only about 5¢ of this is paid to them in cash. The remainder is plowed back into the business to bring you even better products and services . . . to stay ahead of competition and keep pace with your needs.

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75 years of planning ahead to serve you better

group of prospectors trying to land a few winners; Park Jackson, the General Petroleum land department whiz; the Basil Kantzers, Union Oil Company ceramists, artists, and local cultural leaders; the Ed Lemens of Universal Oil Products, with the Fred Hartleys and other guests; John Green, the amiable Don Lord, partner and singing companion; the "CPA" Mel Locketts and friends; Malcolm McDuffie, scion of a noble oil family, and a valuable member of many an impromptu quartet; the D. H. McKees and Torrey Webbs who found the horses quite cooperative; and the Emsco Clarence Phillips with an interesting and interested party.

Every Year From Now On

Still others who wrestled with the pari-mutuels were Don Pinnell, the Union Pacific production biggie and PPP purveyor of exhilarating waters; Ed Leabow, the Dominguez Oil Fields executive with whom we discussed early day doings at the Petroleum Accountants Society meetings; J. A. Sawyer, Sawyer Exploration Company president; Martin Weil, consulting scion of another famed oil house; By and Cammie Landis the much traveled couple from the house of the yellow tiger; the Neal Thompsons, representing the Ken Corporation; and Ellis Locker and Ted Littlefield, two substantial delegates from the Ethyl Corporation. There were probably others, but these are all we can recall for the minute. Everything was lovely at this outing, however, and there is a distinct likelihood that it will become an annual event.

We Visit Nick Melonas

The other morning while it was still dark we rose tottering from our downy cot, met Larry Miller at the Statler Hotel and together we lit out for the wilds of Ventura where we first had lunch with Ted Jenkins, the Wilson Oil Tool Corporation executive, at the Sportsman's Cafe, owned and operated by that noted epicure and altogether delightful host, Nick Melonas. Here, as might be expected we ran into quite a few sportsmen of consequence, including Harry Buchanan, the Bell & Burden vice president, and several of his aides; Ben Bayliss, petroleum engineer, and Ben Turner, production superintendent, from the Lloyd Corporation; Don Grubbs and Bob Watkins, the popular Oil Well Supply Company duo; Sam Gilliard of Gilliard Petroleum Service, the hollow sucker rod impresario; and Dave Carnahan, the Emsco sales chief who is now having himself quite a time as chairman of the suppliers group for the AAODC convention in October. Incidentally, Sam Gilliard was just about to enter the hospital for an operation which we hope turned out satisfactorily.

C.N.G.A. 29th Annual Fall Meeting Announced

General Chairman E. W. Walker announced that plans for the 29th Annual Fall Meeting of the California Natural Gasoline Association had been completed, and that it will be held October 7th and 8th, 1954 in the Los Angeles Ambassador Hotel.

Forum discussions of technical problems for the opening day have been arranged by E. E. Chipman, Ehrhart & Arthur, Inc. These meetings will cover the problems found in wet gas gathering systems, operational experiences and problems of gas engines and compressors, laboratory test methods and techniques, and plant design and processing. Short papers will be given on various phases of each subject and an off the record discussion period held after each subject has been presented.

The Friday Session will be in two parts, a conducted tour through Richfield Oil Corporation's new refinery in the morning and the afternoon session being held in the Ambassador Hotel Theatre presenting papers on the gigantic problems arising from history's greatest voluntary mass migration in so far as the daily energy supply for the West is concerned.

Committeemen assisting Walker are: D. R. Arnold, Guy T. Martin & Company, E. E. Chipman, Ehrhart & Arthur, Inc., S. A. Bradfield, Southern California Gas Company, A. J. Sullivan, Standard Oil Company of California and George L. Tyler, E. I. DuPont de Nemours & Company.

Miller Elected Vice Pres. of Standard

Appointment of O. N. Miller as a Vice-President was announced recently by R. G. Follis, Chairman of the Board of Standard Oil Company of California.

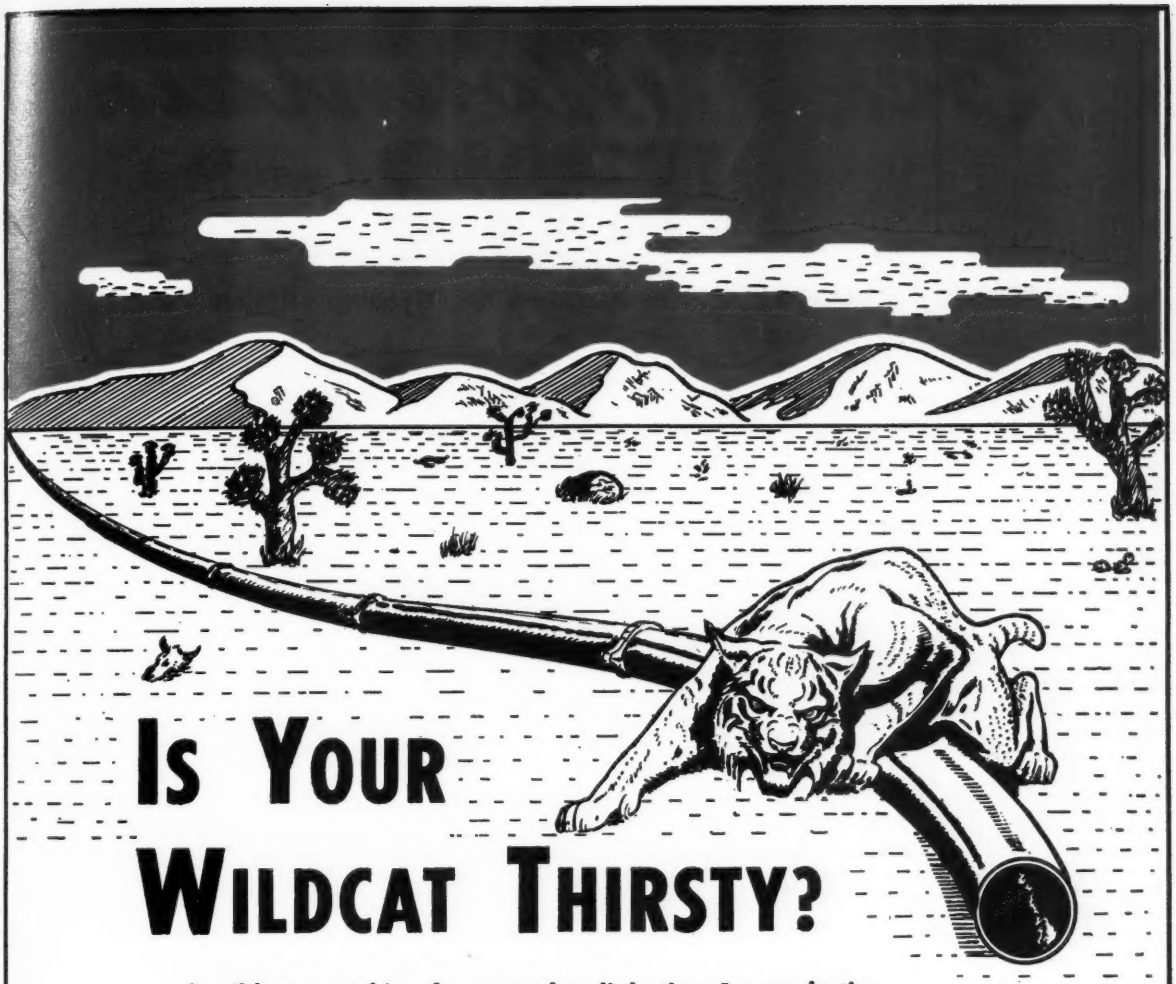
Miller, who has been General Manager of Standard's Manufacturing Department for the past eight years, came to work for the Company in 1934. His experience includes both the Research and Refining fields, including planning and design of the Ras Tanura Refinery in Saudi Arabia. Before coming to San Francisco in 1946 Miller was Superintendent of the Cracking Division at Standard's El Segundo Refinery in Southern California.

Miller is a graduate of the University of Michigan, and is a member of the American Institute of Chemical Engineers.

Walter L. Smith, Shell Oil Company district geologist at Ely, Nev., was recently elected president of the Eastern Nevada Geological Society. Elmer L. Hutchins, a Shell scout at the same location, at the same time was named secretary of the organization. The appointments were made at a meeting held in the Hotel Nevada at Ely, attended by representatives of various branches of the oil industry. In addition to Shell, members of other companies on hand, included General Petroleum, Richfield, Amerada, Tide Water Associated, Union, Gulf, Standard of California, Sun, Carter, Sunray and Western Geophysical.

International Brown Drilling Corporation is the banner of the newly-formed Panama Corporation of Long Beach, whose skipper is Ned Brown, one of the world's leading well drillers. R. V. Towner is treasurer and L. Savage, assistant secretary.

Dr. Frank G. Miller, petroleum industry consultant, was a recent speaker before the staff of the elementary school at Arvin in Kern County. Miller emphasized "it is the responsibility of every community to develop a first class school system," and added "don't be afraid to move with the times."



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Rocky Mountain NEWS

Colorado—Idaho—Montana—New Mexico—Utah—Wyoming—Western Canada

General

Two recent pipeline developments bear heavy import for the Rocky Mountain oil industry. Service Pipeline Co. of Tulsa has announced that it has awarded the contracts for the construction, by its subsidiary Western Pipeline Co., of a new line from Fort Laramie, Wyo., to Freeman, Mo. Sterling, Colo. has been designated construction headquarters and work will proceed Sept. 20. Diameter of the line will vary from 20 to 22 inches. It will have an initial capacity into Freeman, where it will connect with Service's main trunk from the southwest of 160,000 barrels daily. With additional pumping stations the capacity could be raised to 200,000 barrels daily. The Service system west of Fort Laramie will remain intact. The system east, built in 1923, will continue to function until the new system is completed. The new line has been designed to move Powder River Basin and Denver-Julesburg Basin crudes to the refining centers of the Mid-West.

With the completion of the last of a series of new main-line pumping stations, the Platte Pipe Line Co. has announced that its daily capacity is now 192,000 barrels. With the added capacity the line can cancel its pipeline proration and accept crude from new customers. The line, originally built in 1952 with a daily capacity of 100,000 barrels, moves Wyoming, Colorado and Nebraska crudes to the refining center at Wood River, Ill.

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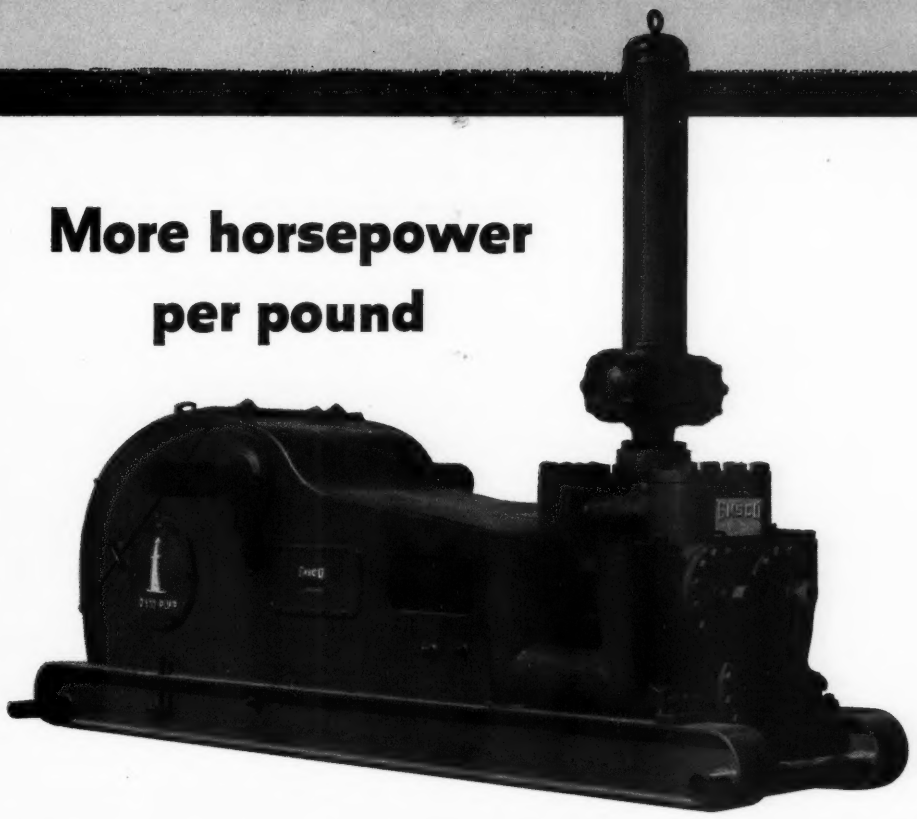
Montana

The first dry hole drilled in the Cabin Creek field of Fallon County has been abandoned by Shell Oil Co. at No. 32-4 NP Unit at total depth 9415 feet in the Red River formation logged at 9304 feet. The failure is about one-half mile southwest of No. 41-4 NP Unit and was 260 feet structurally lower for the top of the Red River. This has prompted the conclusion that the well was located on a steeply dipping west flank of the Cedar Creek Anticline. Shell has had two rigs drilling constantly since discovery in May 1953. There are now five producing wells extending a mile and three-quarters in an almost straight line along the crest of the anticline. The Mission Canyon, Silurian and Ordovician, all of which have tested oil in other field wells, gave only traces in the failure.

Mobil Producing Co., a wholly owned subsidiary of the Socony-Vacuum Oil Co., was activated in late August to conduct exploration and production operations formerly conducted by Socony's Pegasus Division. The new company will operate in the American portion of the Williston Basin and in the Northern Rocky Mountain region of the United States. Billings will be its headquarters. The firm will move into a new building, now under construction, sometime in early 1955. W. W. Clawson, formerly manager of the Pegasus Division, has been elected president of the new company. He will also be president of Socony-Vacuum Oil Co. of Canada

More horsepower per pound



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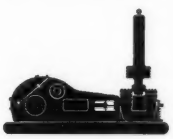
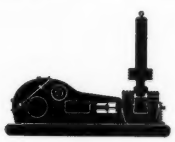
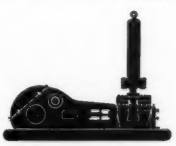


D-500: Hp. input
500 @ 65 rpm.



D-300: Hp. input
300 @ 70 rpm.



D-175: Hp. input
175 @ 75 rpm.

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E-175

Ltd. A. F. Barrett was elected vice president and manager of production and John T. Rouse vice president and manager of exploration.

Disappointing tests have been recorded for two Glacier County apparent discoveries. Carter and Union Oil companies have recovered water and gas from Madison limestone perforations 4507 to 4517 feet at No. 1 Tribal, Landslide Butte area. Twenty-five miles southeast these same operators have reported a swab of 10 barrels of oil and two barrels of water per day at No. 1 Tribal-Miller, Cadmus Area. The test had previously flowed 44 barrels per hour, then died, following a 10,000 gallon acid treatment. The swab gauge was recorded for an open hole interval from 4595 to 4782 feet.

In the extreme northeast corner of their West Popular Unit, Roosevelt County, Phillips Petroleum Co. has staked location for its fourth test of the unit. No. 1 Tribal, will have the Mission Canyon, anticipated at 7300 feet, for its objective. The unit embraces 24,000 acres.

With no objective announced, Mule Creek Oil Co. has made location for No. 1 Hutterite, Teton County. It is four miles south and west of K. C. Morton's No. 1 Thorman, abandoned in 1953, in the Madison limestone at total depth 3108 feet.

North Dakota

Northeast of production in the Fryburg field, just across the county line in Stark County, Amerada Petroleum Co. is running drill stem test at No. 1 Newton, Belfield area, with total depth 8356 feet. Previously the operator had reported a recovery of 48 barrels of oil and 20 barrels of salt water in the interval 8254 to 8266 feet in the Fryburg sand. The sand is sometimes identified as the Heath or Minnelusa. The apparent discovery is approximately five miles east and north of main Fryburg production.

Stanolind Oil and Gas Co. is plugging back to test the Minnelusa at No. 1 Northwestern Improvement, Billings County. Plugged back depth will be 8126 feet. In tests of the zone 9590 to 9620 feet the operators swabbed salt water with a rainbow of oil at a rate of two barrels per hour.

Northwest of the Northwest Tioga field, Western Nadana Corp. and Paul F. Rutledge have set conductor pipe at No. 1 Westberg, Williams County, and are moving in the rotary. The test will be on farmout acreage from the Pure Oil Co., which has extensive holdings in the area.

Wyoming

The first well drilled in Wyoming with gas as the circulating medium has been completed by Mountain Fuel Supply Co. at No. 3 Canyon Creek Unit, Sweetwater County. No completion gauge was taken as the gasser was shut-in. However, Mountain Fuel has announced that the Canyon Creek field and the Ace and Powder Wash fields immediately south in Colorado will be connected with Mountain Fuel commercial system later this year. Total depth was 6945 feet in the Mesaverde formation. During drilling the Mesaverde zone 5460 to 5522 feet yielded a flow of 9,900,000 cubic feet per day. Although Mountain Fuel has drilled with gas in the Ace and Powder Wash fields of Colorado,

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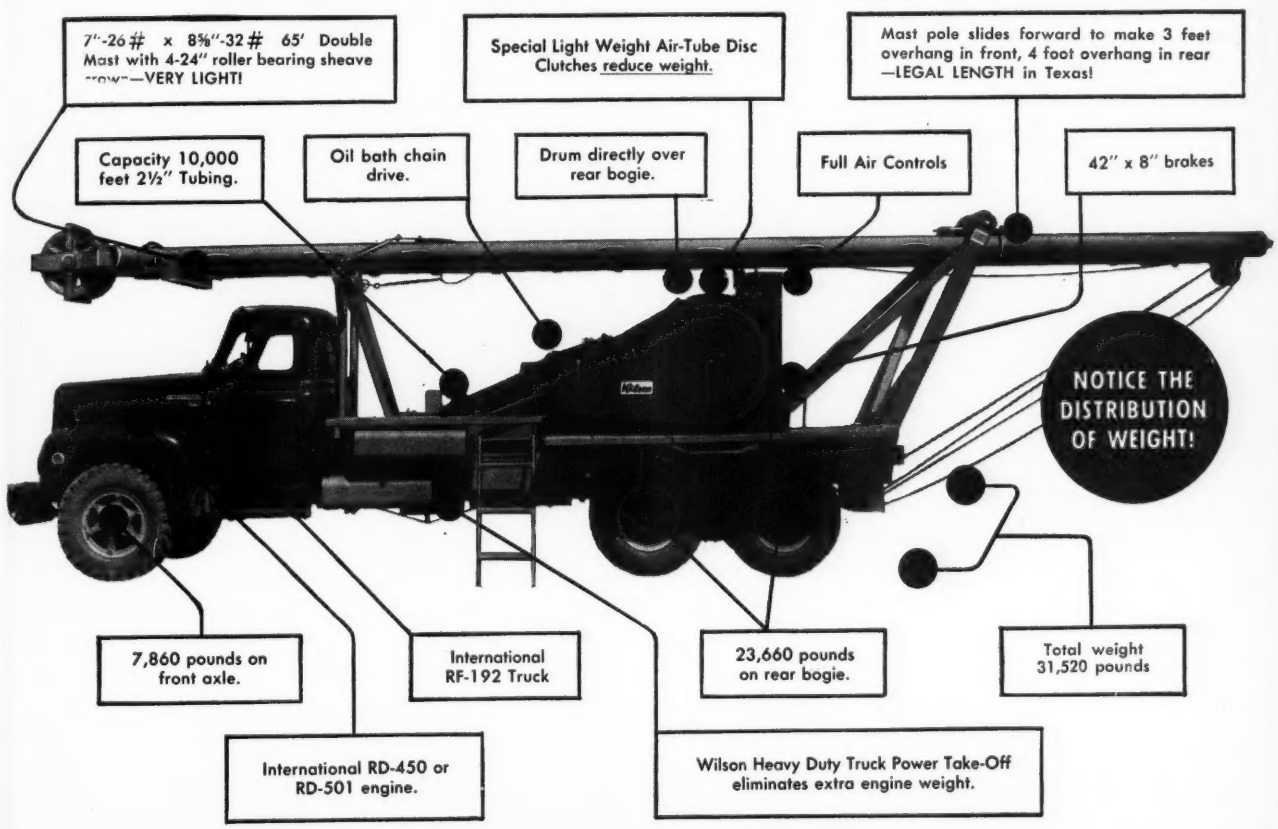
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this was the first such use in Wyoming. The technique was seemingly successful in circumventing a water blocking problem in the Mesaverde where bentonitic components are thought to swell upon contact with water in conventional drilling muds thus blocking the bore head to possible production. Twelve miles west of the Canyon Creek unit, which is located in the southwest portion of the Great Divide-Washakie Basin, Stanolind Oil and Gas Co. is reportedly debating the desirability of using gas for drilling the Mesaverde at No. 4 Middle Mountain unit. The test was last reported at total depth 5996 feet, waiting on cement.

Sun Oil Co. has reported its No. 1 Ralston Unit, Park County, an apparent discovery with recovery of 800 feet of 46 gravity oil from the Phosphoria. The test was a 1953 discovery in the third Frontier sand at total depth 11,246 feet. A consistent decline in production prompted a resumption of drilling to the original Madison objective at 13,000 feet. The Phosphoria oil was recovered in the interval 12,650 to 12,710 feet. Sun is coring ahead. The test is southwest of the famous Elk Basin field which straddles the Wyoming-Montana line and produces from the Madison in addition to the Frontier, Cloverly and Tensleep.

Sapphire American Petroleums Inc., a subsidiary of Sapphire Petroleums, Ltd., Toronto, Canada, have purchased 65 wells and 20,000 acres from Irving Pasternak, Denver independent, in the heavily drilled Clareton trend of Weston County. The $6,000,000 purchase price will be paid in cash, stock and oil payments. The 65 wells have a daily potential of 30,000 barrels of high gravity crude, Pasternak has stated. At the same time Max Goldhar, president of the purchasing company, announced that his firm has also acquired 16 wells and 1500 acres of leases in the Niobrara County portion of the trend from Brazell and Wrather. The purchases, Goldhar believes, make Sapphire American the largest single producer in the Clareton trend which now extends from Newcastle, Wyoming some fifty miles to the southwest with a width varying from three to four miles. This Newcastle sandstone stratigraphic field has been drilled almost exclusively by independents. A semi-official count last spring listed 59 operators in the trend.

A fifteen day suspension of drilling has been ordered in the portion of the trend south of the Cheyenne River area by the Wyoming Oil and Gas Conservation Commission. The suspension is to give the commission opportunity to study a 160-acre spacing order requested by some operators. Strong opposition to the proposed spacing order was manifest at a commission hearing in late August. Numerous operators, identified as holding small leases in the area, opposed the measure. The requested order would require 160-acre spacing south of the north boundary of township 41 north-range 66 west.

Superior Oil Co. has re-entered Wyoming exploration with two locations announced in as many weeks. In Hot Springs County on the northeast of the Enos Creek Anticline the Tensleep at 8000 will be the objective at No. 27-7 Govt. Kinahan. In Natrona County Superior will drill No. 18-22 Govt. Root with no objective announced.

Gulf Oil Corp. has scheduled another test of the Big Horn Basin at No. 1 North Emmett Federal, Big Horn County, where the Phosphoria at 11,600 feet will be the objective formation. Six miles to the south Gulf drilled a dry hole in 1952.

A westward extension of the main northeast-southwest trend of the Clareton field of Weston County will be the objective for the Genco Oil Co., Scottsbluff, Neb., in drilling No. 1 Govt., four miles west of the main production in the trend. However, Dunbar Drilling Co., Denver, is completing No. 1 Simmons, one and one-quarter miles southeast, which tested 15 barrels per hour from the Newcastle interval 6518 to 6535 feet.

Nebraska

Three miles south of production in the Southwest Potter field, Cheyenne County, Harper-Turner and Dunn and Boreing have recovered 475 feet of oil on test of the D sand at No. 1 Nelson. Operators also recovered 350 feet of fresh water from the tested interval 5587 to 5597 feet. There were no shows in the J sand. A D sand core from 5581 to 5606 feet recovered a total of 17 feet of saturated sand with one foot of shale intervening between the two sand zones. Top of the D sand was 5568. There has been no previous drilling in the immediate area.

A swab gauge of 20 barrels oil in six hours has been reported for Williamson, Nixon and United Drilling's No. 1 Sweringen, three miles southeast of the Lodgepole field, Kimball County. The wildcat is testing on pump with casing at 6329 feet, perforated 6282 to 6290 feet.

After testing to the Lakota sands, the Ohio Oil Co. has abandoned No. 1 Maxwell, Rohfling pool, Cheyenne County. This was the first test in the pool to the deeper sands. Total depth was 5503 feet. No shows were reported for D, J or the Lakota series.

Colorado

Exploratory interest in the Little Beaver-Badger Creek fields of Washington County, which was the center of Denver-Julesburg Basin drilling in 1953, is expected to be renewed following new discoveries southeast and west of the fields. Three and one-half miles southeast of Badger Creek, New Drilling Co. has set casing at No. 1 Blomenkamp which recovered 3180 feet of oil in the J sand interval 5072 to 5091 feet.

In a relatively untested area west of the Badger Creek-Little Beaver fields Ryan Oil Co.—Davis Oil Co.—Potter Drilling Co. have recovered oil at an estimated rate of 40 to 60 barrels per hour at No. 1 Doss, Adams County. Basin operators consider the production from five feet of sand as very favorable. Another favorable factor is its nearness to previous gas production. The test is one mile north of a shut-in gas discovery, Ginther-Warren-Ginther's No. 1 Leasure.

Twenty miles southeast of Cheyenne, five miles south of the Wyoming line, Texas Crude Oil has recovered five feet of oil and gas cut mud on a two hour test of the J sand at No. 1 Cox. The Weld County test will be taken to the Lyons, a Permian age sand expected at about 10,200 feet. The test J sand interval was 8817 to 8830 feet. The operator is drilling below 9056 feet.

In Garfield County, El Paso Natural Gas Co. has completed No. 4 Twin Buttes with a gas flow of

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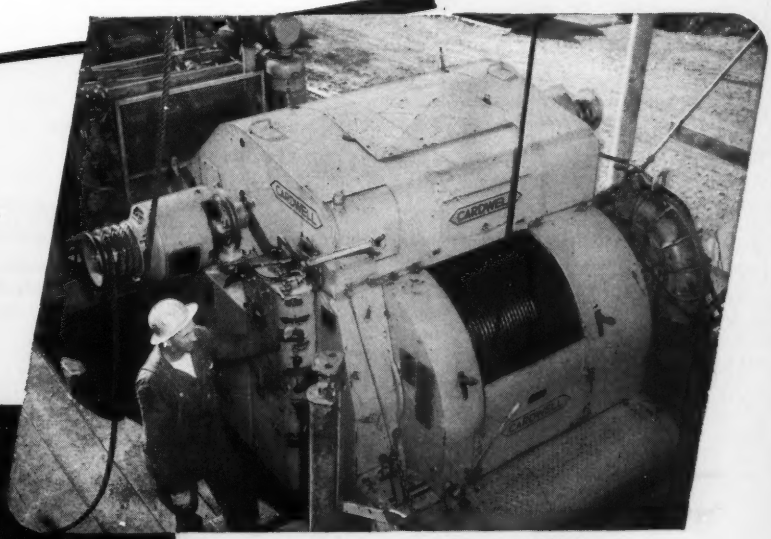

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8,100,000 cubic feet per day from the Morrison perforations 6285 to 6303 feet. The Morrison was topped at 6233 feet. Production in this field was established in 1951 by the Greenbier Oil Co. El Paso acquired control of a large block in 1953. Production has been established in the Morrison and Entrada.

West of production in the Valley field, Morgan County, Stanolind Oil and Gas Co. have completed No. 1 State for a flow of 1,560,000 cubic feet per day.

The Phillips Petroleum Co. wildcat No. 1 Arnold-King, West Cedar Creek, Weld County is shut in for storage after swabbing 20 barrels of oil in six hours. D sand perforations 6424 to 6440 feet was the swabbed zone. On drill stem test this interval made a recovery of 1600 feet of oil in one hour.

In an area of no previous pre-Cretaceous drilling G. L. Reasor has staked No. 1 Patterson, Morgan County as 7500 foot Lyons sand test. It is on acreage farmed out from the Lion Oil Co.

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Canada

Engineering work on a 300 mile big inch gas gathering system which will move all Alberta gas destined for export has begun. A combination has been formed between Dutton, Williams Brothers, Ltd. and Mannix Ltd. to complete the engineering for the Alberta Gas Trunk Line Ltd., authorized last April by the Alberta Trunk Line Act. Trans-Canada which will build the longest pipeline in the world, from Alberta to eastern Canada, is currently the trunk system's only prospective customer. Construction will begin in early 1955.

Saskatchewan Premier T. C. Douglas, guest speaker at the dedication of Consumer's Co-Operatives Refineries Ltd.'s new Regina refinery, defended the province's recent action in entering a farmout arrangement with the company for Crown acreage in the Smiley field. Oil industry protests had been made that the farmout was substituted for the usual Crown auction of government lands. The ceremony concluded a $7,500,000 expansion program that has increased the refinery run from 6,500 barrels to 12,000 barrels daily.

A great oil exploration program is underway in the Northwest Territories between the Great Slave Lake and Norman Wells. The 500 mile wide area has had more acreage explored in the last two years than any time previously, A. B. Irwin, petroleum engineer with the Canadian federal government has announced following his return from a summer inspection to the far north area. The helicopter is the agent for this extensive fundamental exploration work, according to Irwin. The mountainous country lends itself to helicopter exploration as faults and outcrops can be easily studied from the helicopter.

There has been some seismic drilling along the great McKenzie river but with poor results as "echoes" were unsatisfactory. There have been no oil strikes along the McKenzie. Major operators are Imperial Oil, Shell Oil, Cal-Standard, and Canadian Gulf.

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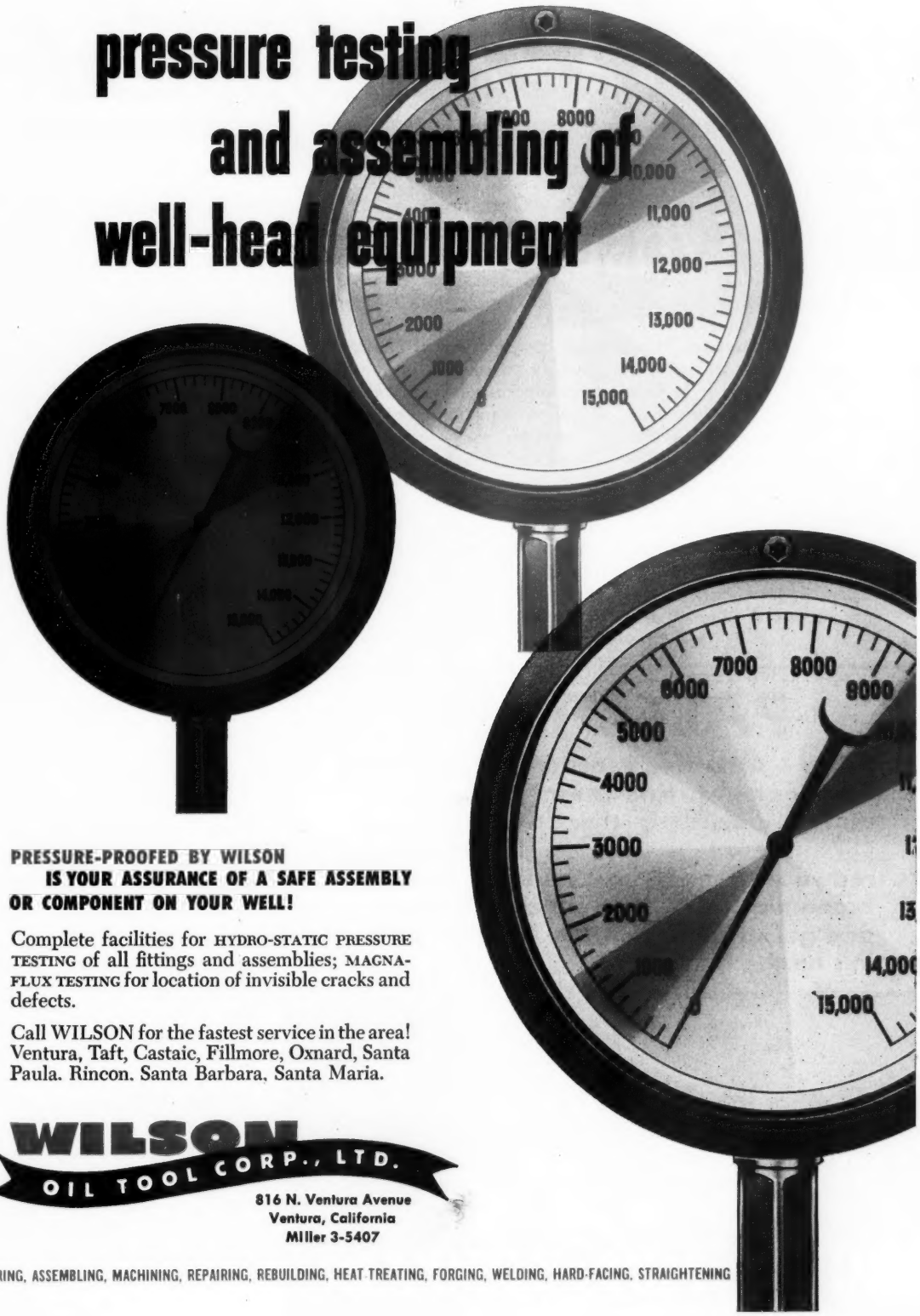

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Field Development

Standard Maricopa Well Drilling Due

Standard Oil may within the next few weeks start drilling another well to the sand it opened up around 2600 feet last June on M J M & M Oil Company's fee property at Maricopa. The June success was named M J M & M No. 75 and it is tapping a sand which heretofore had not been produced on the lease for a current yield of 140 barrels of 15 gravity oil a day on the pump. In relation to M J M & M, this company anticipates participation in several new tests in Devils Den, Edison, Mountain View and other Kern County sectors during the present year, according to an official report.

Tulare County Adds Wildcatting

Northeast of Pixley on several thousand acres of leased ground, Franco-Western Oil Corporation's Drilexco-Cooper No. 28-21 wildcat essay on Section 21-22s-26e is on the way to success or failure from a standpoint of fresh oil supplies. Location is in the vicinity of Sauselito and not many miles west of the Deer Creek field. It is also a couple of miles northeast of General Petroleum's Moran No. 42-30, written off in December of 1946 at approximately 4950 feet. That part of Tulare County also has been explored during past years by Union Oil Company and other large operating organizations without winding up new oil reserves. The effort on performance probably is bent first of all in searching out production in the Famosa oil sand zone.

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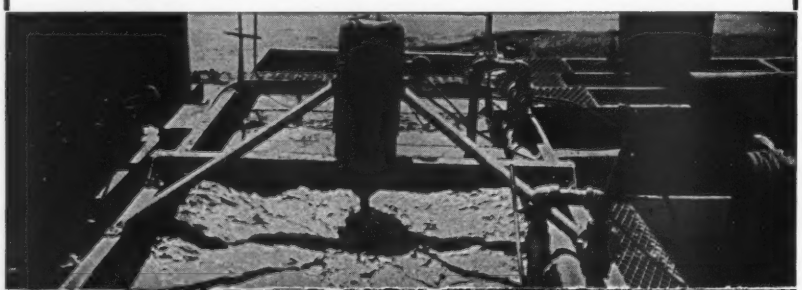

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Belgian Anticline Extension Sought

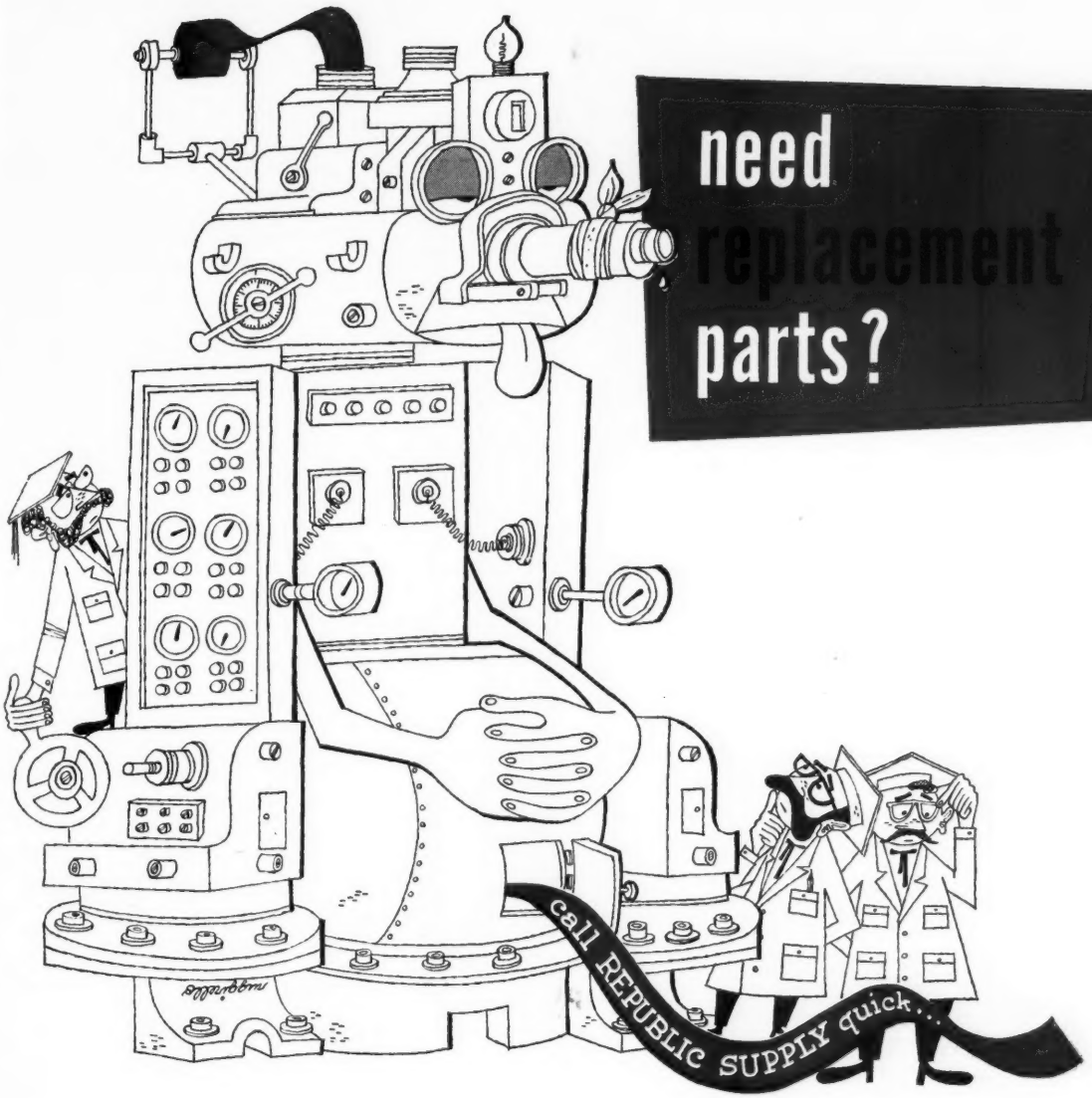
Tide Water Associated's No. 84 on Section 16-30s-21e, which has just got going, qualifies as an extension test on company fee property on the west border of the Belgian Anticline field. It is adjacent to production disclosed by drilling undertaken by A. J. West and Moriqui Exploration Company. The Phacoides and Oceanic sands should show up by 4000 feet. Tide Water's sustained interest in oil prospects at Shafter is reflected by its Loepp No. 63-18 wildcat there. It is doing its stuff at an inconclusive depth on Section 18-28s-25e.

Gonyer Wildcat Drilling Ahead

The Media and Carneros zones are due for testing by The Samuel Bennett, Operator, Bennett-Conoco-Gonyer-USL No. 1 wildcat moving ahead under 1000 feet on Section 32-32s-23e on the Gonyer Anticline in Kern County. The ground under investigation is south of where wells are putting out in the Midway-Sunset field.

Edison Test Set To Drill

Northeast of the Edison field and mindful of what the Olcese and Vedder sands may hold thereabouts, Southern California Petroleum Corporation is about to spud its Brown-Pallette No. 44-5 test on Section 5-30s-30e. The area has in the past felt the drill in several instances, but these earlier projects evidently were not designed to delve deep in seeking out new production.



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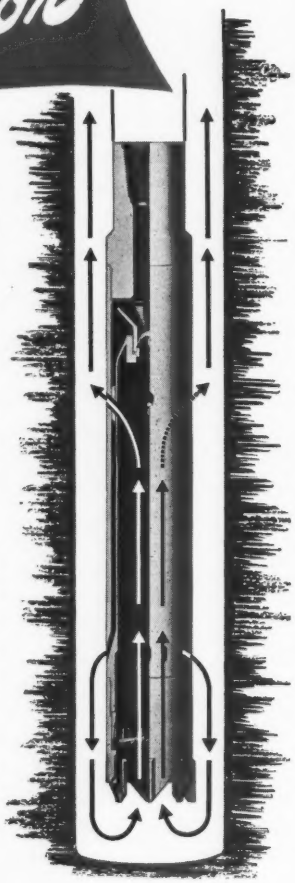

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Central Tejon Project On Way

Drilling & Production Company is under way with its J.V. No. 33-33 extension test on the northwest flank of the central Tejon area on Section 33-11n-19w. The project, one mile or so southwest of the Reserve-Pauley discovery well, is aimed for the Olcese sand. At Santos Creek, Drilpro's Trico No. 71-32 on Section 32-28s-20e is drilling at 3500 feet toward an objective of 4000 feet for a test of Point of Rocks sand. Intex Oil Company owns an overriding royalty in the 40-acre lease upon which the well is drilling. Intex, in its individual right, is drilling below 2000 feet with its KCL No. 76-28 wildcat on Section 28-30s-26e. The company holds leases embracing 800 acres around the test, slated to carve out 8000 feet of hole.

Antelope Valley Project Abandoned

G. J. Green, Merle W. Wheeler and Alex Walton's Sycamore No. 1 wildcat venture on Section 21-9n-17w in Kern County's Antelope Valley has been abandoned at 300 feet, plus or minus. In the Salt Creek area, Anthonian Drilling Company's Flocker No. 3 test has gone off the board at 862 feet. The well, on Section 13-29s-20e, picked up Carneros at 835 feet.

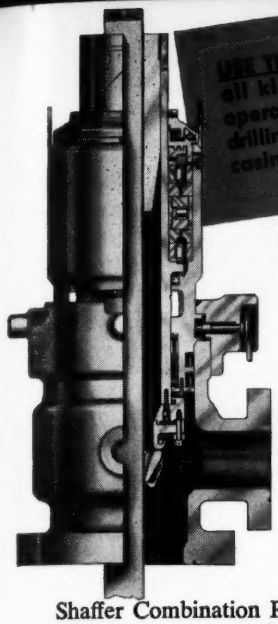
Sacramento Test Keeps Moving Ahead

On the way down several hundred feet below topsoil is The Texas Company's Georgianna No. 1 wildcat test in the Georgianna Slough area, northeast of production in the Rio Vista gas field. Located on Section 10-4n-4e in Sacramento County, the well is one mile east of Brazos Oil & Gas Company's Robinson Unit No. 1 producer.

San Joaquin County Exploration Active

With Bishop Oil Company as operator for itself and Calaveras Cement Company, a wildcat gas test known as Lippert No. 1 on Section 27-4n-6e in San Joaquin County is moving ahead at an intermediate depth. The project, two and one-half miles northwest of Lodi, was largely prompted by desire of Calaveras to find natural gas to fuel its cement plant at San Andreas. The company's expenditures for natural gas and fuel oil have been estimated at reaching $1,500,000 a year. Therefore, a discovery of plenty of natural gas would mean a welcome reduction in this major expense item. Calaveras owns 42,000 shares, or 11.3 per cent, of Bishop Oil Company common. Bishop holds one-sixteenth interest in the play. Production is being sought in Eocene sands, which yield gas at Rio Vista, Galt and Lodi fields. Some 4000 feet should bring the current test to completion, one way or another. The derrick stands only a short distance from the terminus of the pipeline built by Calaveras in 1941. At present it is under lease to Pacific Gas and Electric Company.

San Joaquin County, by the way, has registered a duster. It was called Williams No. 1 and was taken down on Section 35-4n-5e by W. W. Holmes, Operator, to a total depth of 4415 feet. Final work was represented by plugging and testing above the 3600-foot level.



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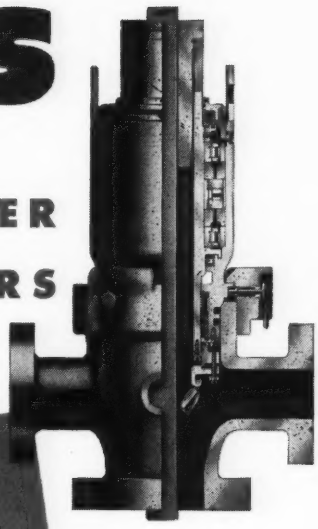

Shaffer Combination Rotating Blowout Preventers and Strippers are recognized throughout the oil industry for their automatic protection against pressure emergencies. And now that this equipment is available in two basic types, every job—whether heavy-duty drilling or light production and work-over operations—can have the unsurpassed protection these Shaffer units provide. Check over these advantages found in both Type 50 and Type 51 units . . .

USE THE TYPE 51 for slim hole drilling, drilling-in, re-work operations, production jobs, and similar applications.

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As long as the drill string is in the hole, a pressure-tight seal is maintained continuously and automatically. There is no need for applying mechanical or hydraulic pressure from the outside — there's nothing to remember or forget — and the seal automatically adjusts itself to the varying shapes and diameters in the drill string. The operator can drill under pressure, and can also strip pipe in and out of the well under pressure — all without adjustments or changes in the unit!

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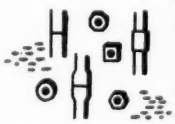

In both units, the Stripper Rubber expands and contracts automatically to fit the varying diameters and shapes of the drill string (excepting such abnormally large diameters as bits and reamers). It seals around any shape — round, square, hexagonal or octagonal — and varying diameters of pipe, couplings, drill collars, subs, etc. No manual adjustment is necessary!

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Both units are amazingly compact and can be installed under difficult space limitations. Not only are vertical and horizontal dimensions kept to the minimum, but even the flow connections are built directly into the body, simplifying hook-ups and eliminating need for spools or similar equipment.

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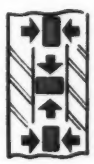

The Stripper Assembly rotates freely with the kelly — not one inside the other. Thus, there is virtually no wear on the rubber, assuring negligible maintenance and maximum safety. The bearing assembly upon which the unit rotates has separate thrust and radial bearings to withstand a combination of loads due to high pressure and high speed drilling — and bearings are prepacked with a high temperature and high speed stabilized grease.

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New Pool Find At McKittrick

Three and one-half miles west of McKittrick and between fields on the Belgian Anticline and Northwest Belgian Anticline, Ohio Oil Company has pried out a new pool discovery. The trick was turned by the company's F. E. Smith Government No. 1 on Section 23-30s-21e, which was drilled to a total depth of 5760 feet. Gravity of the oil is betwixt 32 and 33 gravity and indicated daily yield in the hundreds of barrels. Pacific Western Oil Company is preparing to take down an offset well on the Anderson property. Casey & Montgomery drilled the project. Ohio is likely to embark upon a new and deeper test well on the easterly fringe of the Cymric field before year end.

Guijarral Hills Adds Pumping Well

The Lloyd A. Harnish, Operator, Allison No. L-1-34F on Section 34-20s-16e, some 1400 feet south and west of Leda zone production at Guijarral Hills has gone on the pump for more than 200 barrels of 37 plus gravity oil a day from a depth approximating 8700 feet. Thomas P. Pike Drilling Company guided the project to conclusion. Lebow-Fresno Oil Company is redrilling Sanger No. 55-2-1 on Section 2-21s-16e, after milling a window near 7300 feet. The well was originally completed in September of 1949 by Barnsdall, now Sunray, at 9046 feet. It flowed initially at the rate of 500 barrels of 38 gravity oil a day. It was abandoned last March.

Morales Field Still Developed

Margaret V. Kahler has just about reached objective depth around 1800 feet with her No. 7 well on Section 10-11n-28w in the Morales field of San Luis Obispo County. Since acquiring holdings of Hancock-Oceanic-Mohawk and Bishop in the field last spring, Miss Kahler has successfully completed six wells from the Clayton pool for a yield each of some 200 barrels a day. Her drilling campaign has been carried on by directional drilling from one or two locations, an obvious operational advantage in the difficult mountain country at Morales. Current San Luis Obispo County wildcat ventures include The Texas Company's KCL-Travers NCT-1 No. 1 on Section 12-11n-26w at Carrizo Plains, and Seaboard Oil Company's Government No. 34-4 on Section 4-30s-20e on the Temblor Range. The former is making progress at 5200 feet and the latter at 4500 feet.

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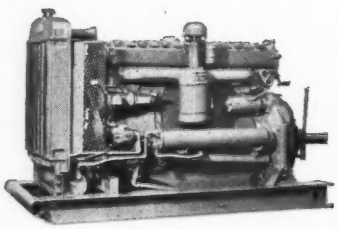

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Alferitz Field Producer Added

The Gilliland Oil Company and H. F. Ahmanson combine's latest completion in the Alferitz field is Barker No. 2 on Section 3-25s-18e. Drilled on contract by Burke Drilling Company, the well at last reports was putting out 50 barrels a day from 2250 feet, but showing a rather heavy cut. Two miles west of the Devils Den field, D. E. Bennen's Kerry No. 1 wildcat on Section 28-25s-18e is standing temporarily suspended at 1247 feet. On Section 20-25s-19e, Jacalitos Petroleum Company's New Bates Estate No. 1-2 well is putting out 35 barrels of 27.5 gravity oil daily from a redrilled depth of 1886 feet.

West Edison Leases Taken

Milt Barratt and Ernie Bysshe have reported acquisition of a lease of important ground in the West Edison area. It was set forth as an 80-acre parcel on Section 8-20s-29e and offsetting Standard Oil's production in the Jeppi-Camp sector. Plans are now being drawn for a drilling job to the Jewett and Pyramid zones. General Petroleum is continuing its successful development of its Knapp property in the Edison field. It recently finaled its Knapp No. 15 and 16 on Section 24-30s-29e for a settled yield each around 80 barrels a day. Knapp No. 17 is drilling below 1100 feet.

Cuyama Valley Wildcats Digging

C. W. Colgrove, a name synonymous with earliest Cuyama Valley development, is making hole at an intermediate stage with his Russell No. 33-5 on Section 5a-10n-26w in the valley. The derrick stands one mile due west from Colgrove's No. 22-4A, abandoned in January of 1953 at 8356 feet. Richfield Oil also is drilling its Hibberd No. 11-26 above objective level on Section 6-9n-26w in the South Cuyama area.

Lost Hills Try On Pump

The Texas Company's Overall No. 2 wildcat on Section 33-25s-20e, northwest of Lost Hills field, is pumping from 3278 feet. Accurate

DO YOU KNOW HOW MUCH CORROSION COSTS PRODUCERS EACH YEAR?

CORROSION PREVENTIVES

In a survey conducted by the National Association of Corrosion Engineers, covering 537 "sweet" oil wells and 3,052 "sour" oil wells, 30% of the "sweet" wells and 80% of the "sour" showed evidence of corrosion attack. A survey conducted by the Natural Gasoline Association of America showed that out of 2,466 scattered gas and gas condensate wells surveyed, 46% showed corrosion damage and metal losses. It has been estimated that the overall cost of corrosion on producing oil properties in the United States runs as high as $500.00 per well . . . a total of approximately $250,000,000.00 annually. Corrosion cost in gas and gas-condensate wells has been estimated at approximately $4.30 per MMCF of gas produced, or an annual total of $13,000,000.00. The total cost of corrosion in all these wells is $263,000,000.00!

While such figures certainly reflect the tremendous cost of corrosion to producers in general, they may not show what the losses due to corrosion are on your properties. Why not ask your Kontol engineer for a corrosion survey? There is no obligation, and he can show you how Kontol inhibitors help you stop these profit-cutting corrosion losses.

For complete information call your Tretolite man.

Prevent corrosion of carbon steel and alloys

Stop hydrogen embrittlement and blistering

Are easy to apply. Can be pumped, dumped, lubricated

Available also in solid stick form

Safe, easy to handle. No extraordinary precautions required

Do not complicate scaling or emulsification problems

Do not deposit formation-plugging precipitates

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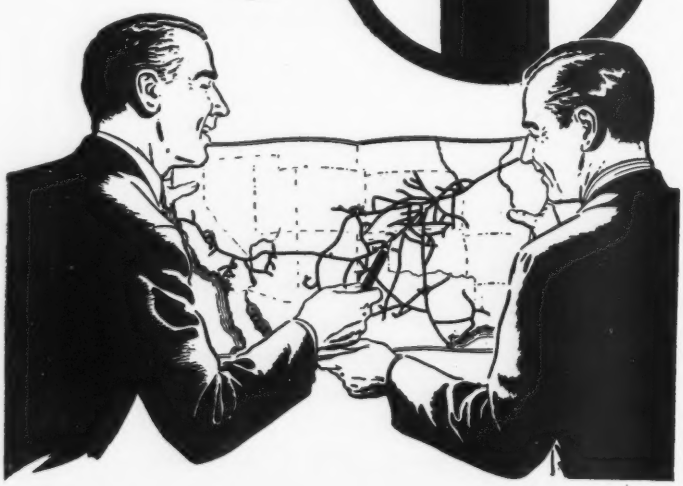

When a traffic problem puts you on the spot call any one of Santa Fe's 63 freight traffic offices for help—there's one as near as your telephone.

R. S. Hirsch, Freight Traffic Manager
Santa Fe Lines, Los Angeles, Calif.
E. B. Johnson, Freight Traffic Manager
Santa Fe Lines, San Francisco, Calif.

production gauge is not yet available. The well is no great distance from the well completed the other month on the Seaboard-Saunders lease.

Fruitvale Field Well Drills Ahead

Casey & Montgomery is drilling near 2500 feet with its KCL No. 1-B well on Section 14-29s-27e in the Fruitvale field. The well offsets southwesterly the King Petroleum Company's Nellie No. 1 well, which came in from 2839 feet for not much below 100 barrels of crude oil a day. Golden Bear Oil Company has location staked for its Armstrong No. 2 on Section 28-29s-27e.

Buena Vista Well Performs

On performance is Standard Oil's No. 101 well on Section 6-32s-24e in the Buena Vista field. The well started off from a total depth of 3610 feet at the rate of 355 barrels of oil and 124,000 cubic feet of gas daily.

Standard also happens to have completed a new well on the Rosedale Ranch. Its KCL No. 87-2 on Section 2-29s-26e flowed 384 barrels of oil and 19 barrels of water daily through a half-inch orifice when given the final touches. Gas yield initially was 77,000 a day.

Mount Poso Wildcat Digs

North of the Mount Poso field, Wilrich Development Company's Gill No. 4 on Section 24-26s-27e is drilling and looking for production in the Vedder oil sand zone. Present depth is several hundred feet below grass roots.

Midway-Sunset Well Comes In

General American Oil Company of Texas has put on production its No. 52 well on Section 23-31s-22e in the Midway-Sunset field for 80 barrels of net oil a day from a plugged depth of 1807 feet or 60 feet above total bottom. The Tulare was topped at 850 feet, base Tulare reached at 1729 feet and top of the Etchegoin at 1793 feet. The drilling chores were handled by California Commercial Drilling.

Lufkin

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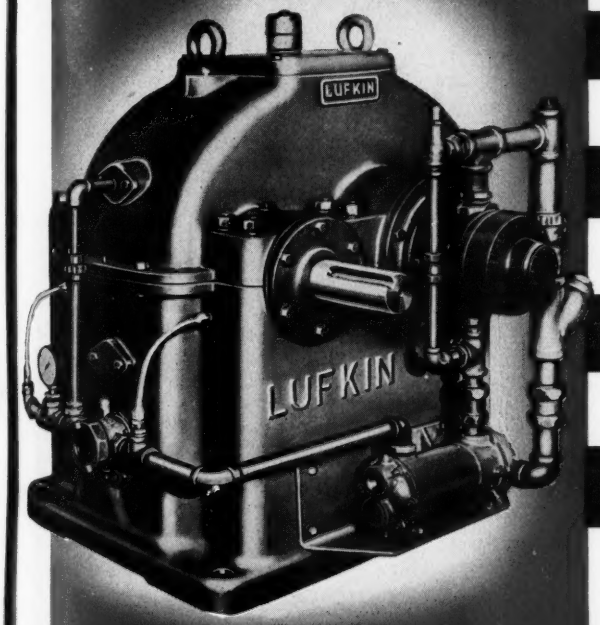

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ANY RATIO
1 TO 1 TO 70 TO 1

ANY JOB

WHERE SPEED IS REDUCED OR INCREASED . . . . . .

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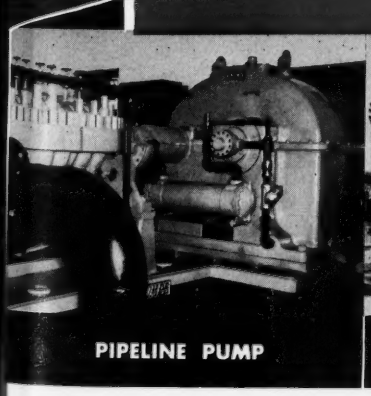
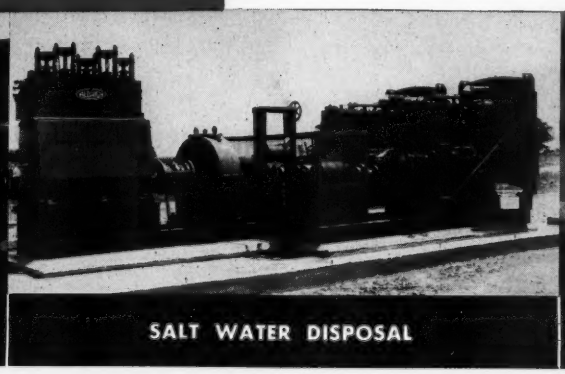
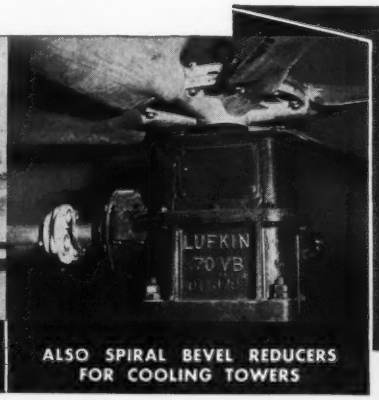


PIPELINE PUMP



SALT WATER DISPOSAL



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Santa Barbara Wildcat Sent Off

Drilling has been initiated in Intex Oil Company's Lagomarsino No. 1 wildcat project on Section 33-7n-35w, south and west of Ventura County's Lompoc field by eight miles or thereabouts. Location is on old Rancho Lompoc ground.

In the Santa Maria area, Union Oil Company's Jesus Maria No. 41-11 test on Section 11-8n-35w continues to drill steadily beneath 1200 feet. Orville Stanford as contractor is in charge. One mile north of the Santa Maria field, Union's Donovan No. 1 wildcat on Section 7-10n-34w came to an unproductive end at 4174 feet.

Approximately four miles northeast of field development going forward at Oxnard, Union is progressing at an intermediate stage with its Tassano No. 1 wildcat on Section 23-2n-21w in Camarillo Hills.

In the Torrey Canyon field, the company's Torrey No. 96 on Section 5-3n-18w is drilling around 7000 feet. Torrey No. 95 was lately completed at 9643 feet for 600 barrels of 30.5 gravity oil a day. Since finding the zone producing, Union has drilled a dozen deep wells to this sand for a present total yield of 4200 barrels a day.

Cat Canyon Test Listed

M J M & M Oil Company of San Francisco is preparing to drill with others Thomas No. 88-X well in the West Cat Canyon area of Santa Barbara County. A company announcement called attention to the fact that Monterey Oil Company recovered some oil and water from a 50-foot sand and that the location chosen is regarded as more favorably situated to development of oil production.

West Ojai Test Pumps

Honolulu Oil Corporation's Honolulu-Sunray-Dunshee No. 1 test on Section 28-4n-24w at West Ojai in Ventura County has been finaled on the pump at a plugged depth of 2814 feet. Drilled to a total bottom of 7594 feet, representative gauge is yet to be established.

Sargent Field Well Still Tests

Testing with no details available evidently is the present status of Marion Vincent's Vincent No. 1 well on Section 36-11s-3w in the Sargent field in Santa Clara County. The project is down in the neighborhood of 900 feet.

Oakridge Field Adds Production

Union Oil Company's No. 26-4 well on Section 4-3n-18w in the Oakridge field in Ventura County has been completed at a plugged depth of 2250 feet, after going to a total bottom of 5023 feet. Yield at last reports was at the rate of 31 barrels of 21.4 gravity oil, cutting 10 per cent, and 35,000 cubic feet of gas daily. No. 41-3 well on Section 3 has been abandoned at a redrilled depth of 4699 feet. Total depth was 5483 feet.

Bardsdale Test Drilling Steadily

With Loffland Bros. Drilling Company in charge, Shell Oil's Shell-Van Couvering No. 1 wildcat well on Section 15-3n-20w in Ventura County is moving ahead below 1000 feet. The Bardsdale area is the scene of the oil hunt.

Dunnigan Hills Wildcat Drilling

In the first lap of its drilling trip is Monterey Oil Company's Clover No. 1 wildcat venture on Section 19-11n-1e or three miles east of the Dunnigan Hills gas field, Yolo County.

Huntington Beach Test Set In Motion

Morton & Dolley's Sierra No. 1 well, an outstep in the Huntington Beach area on Section 12-6s-11w is under way and making good time through surface formations. Atlantic Oil Drilling Company is the contractor and Al Hunter, engineer.

La Habra Test Reported Inactive

Idle for a time at least is Erin Oil Company's Freedman-North La Habra No. 1 wildcat venture on Section 5-3s-10w near Whittier boulevard and Cypress street at La Habra, Orange County. The well, drilled to 8750 feet and plugged at 8090 feet, last was tested from 7941 to 8022 feet, but in that interval evidently showed no fluid. Following reperforating, mud and salt water appears to have been recovered. Reports from the project as it attained depth were more or less encouraging and absence of commercial success at this location was a distinct disappointment. The play was largely sponsored by Nevada business men, and situated not far away from Union Oil Company's important development in the Sansinena field.

Kramer Wildcat Standing Idle

With the hole down 3116 feet and the 7-inch casing set at 2960 feet, G. A. Grober & Associates' No. 1 wildcat on Section 12-10n-5w at Kramer in San Bernardino County is temporarily inactive.

Pelona Valley Test Drilling

In Los Angeles County's Pelona Valley area, James R. Saul last was reported drilling below 800 feet with his Germaine No. 1 explorer on Section 19-5n-13w.

Long Beach Completions

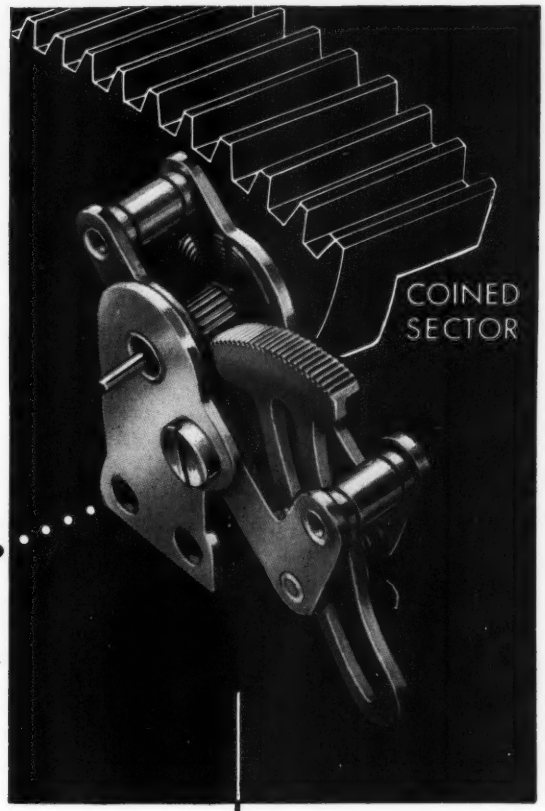
Monterey Oil Company's No. 45 well on Section 19-4s-12w in the Long Beach field has been completed at 4970 feet for 326 barrels gross or 35 barrels a day of net 15.4 gravity oil. Morton & Dolley has finaled Pauley No. 5 on Section 2-4s-12w. It is pumping 30 barrels a day gross from 2660 feet, cutting 55 per cent.

Atwood-Richfield Wells Drill Ahead

Signal Oil & Gas Company's Signal-Grace No. 1 extension test on Section 33-3s-9w in the Atwood-Richfield area of Orange County is drilling under 5000 feet. The drill site is about 500 feet south and east of Basin Oil Company's Stern No. 1, a south and successful extender in 1949. Also on Section 33, Drilling & Exploration Company's Drilexco-State-Stern No. 8 is digging at 3600 feet.

...for the world's finest gauge:

. . . the world's finest movement



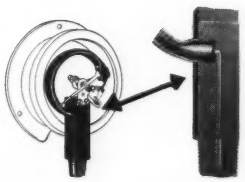
To actually become the standard of comparison in its field, a product must be better; not just in some ways, but in *all* ways.

A particularly good example of such a product is the Marsh Master-gauge. By giving industry a gauge that is better in *all* ways, it has become the recognized standard of comparison in the pressure gauge field.

The movement illustrated here represents just one way—but a very important way—in which the Mastergauge excels. In a pressure gauge, the movement has the vital assignment of converting the action of the bourdon tube into accurate pressure indication. To do this unfailingly, a movement must be ruggedly constructed, practically frictionless and highly resistant to corrosion.

All of these attributes are ideally combined in the Master gauge movement. A self-lubricating, frictionless effect is achieved by using alternate stainless steel and monel throughout . . . gears, hardened stainless; bushings, "K" monel, and so on through all moving parts. A particularly outstanding feature contributing lasting accuracy is the "coined" sector gear. Note the broad face which results from this coined extrusion of the gear blank.

Yes, features like these, along with precision machining, painstaking assembly, and thoroughgoing testing, makes a better-in-all-ways movement for a better-in-all-ways gauge. Ask for up-to-the-minute information.



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"Connoweld" A truly revolutionary development is the joining of the socket, bourdon tube, and end-piece into a one-piece unit in the Marsh Mastergauge. The photo of a socket cut in half shows the perfect fusion at the point where too many gauges leak. A special Marsh process — the Connoweld Process — makes this possible.

A better Case...

"Marshalloy" Another recent development that has increased Mastergauge leadership is the copper-clad, wrought steel case. Copper surfaced by the Marsh-developed "Marshalloy" process, the case is attractive and noncorrosive. It is four times as strong and one-third lighter than conventional cast iron case!

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Thermometers • Water Regulating Valves • Solenoid Valves • Heating Specialties

Personalities IN THE NEWS

Neale Named President Of Lane-Wells Company

John J. Neale has been named president, Rodney S. Durkee, chairman of the board, and Walter T. Wells, founder-chairman of Lane-Wells Company, it was announced recently. The board of directors has been increased to eleven, and John J. Neale has been made a new director, leaving one vacancy to be filled.

John J. Neale

Mr. Neale, who has been assistant to the president for the past year, has proved his all-around capabilities in many ways since he started work for the company as a loader in Houston in 1936. He has been a helper, perforating operator, operator-in-charge, sub-district superintendent, division sales engineer, district superintendent, Gulf Coast Division sales manager for two years, and Gulf Coast Division manager for six years. A graduate of Texas A & M, he brings to his new post a background of operating, sales and management experience.

Rodney S. Durkee

Mr. Durkee joined Lane-Wells in 1938 as executive vice-president after nearly 23 years in an executive capacity with major oil companies. In 1939, has was made president and the company has grown from a comparatively small concern at that time to a world-wide organization with nearly 100 branches. As chairman he will have general supervision over company activities.

Mr. Wells was co-founder of the Company in 1932 and met and solved many challenging problems during the initial stages of the company's operations. He was president until 1939 and has been chairman of the board until the present. The new post of founder-chairman will allow the company to continue benefiting from his business judgment and experience.

Robert M. Calhoun, vice president of the East Puente Oil Company at Los Angeles, has been appointed general chairman of the Citizens Committee to aid the California Rehabilitation Center in Santa Monica. The appointment was made by Mrs. Virginia Stewart, CRC executive.

The historic 400-acre Doheny Ranch in Beverly Hills has been sold to El Camino Real Development Company for subdivision purposes. It was sold by Mrs. Leigh M. Battson, wife of the Los Angeles oil man and financier.

Fluor Corp. Advances Dr. Hainsworth

Dr. William R. Hainsworth has been appointed vice-president in charge of the Research Division of The Fluor Corporation, Ltd., Los Angeles engineering, construction, and manufacturing firm, according to an announcement by executive vice-president, J. R. Fluor.

Doctor Hainsworth joined the company in 1952, and has served since that time as technical advisor to the executive vice-president. He was formerly vice-president of the Engineering Division for Servel, Inc., and is a past chairman of the Industrial Research Institute.

He has also served as president of the American Society of Refrigerating Engineers, and as vice-chairman of the Industrial and Engineering Division, National Research Council.

The Fluor reseach executive is a recipient of the Munroe Award presented annually by the American Gas Association for the most outstanding contribution to the gas industry. He is a 1917 graduate of the University of Washington, with a Bachelor of Science degree in chemical engineering, and he attained a Master of Science degree at Caltech (1919), and his doctorate in physical chemistry at Massachusetts Institute of Technology (1921).

Dr. Hainsworth is a Fellow of the American Society of Refrigerating Engineers, and a member of the American Gas Association, American Chemical Society, American Institute of Chemical Engineers, and the Chemists' Club, New York, N. Y.

Lee Van Horn, formerly vice-president in charge of Research & Development, has assumed the duties of vice president in charge of Process & Development.

AVAILABLE JOHNSTON by AL CAPP

IS YO' JOHNSTONS AVAILABLE, T'TEST MAH NEW LOVE-SEAT?
WE IS AVAILABLE, ONLY FO' DRILL-STEM TESTIN'!!
—AN' WE DOES IT, WIF A MINNY-MUM O' DOWN TIME.!!
THEN, WHY CAIN'T YO' GIVE ME A LI'L TIME? —WHY IS YO' ALLUS RUNNIN'?
Al Capp
WE IS ALLUS RUNNIN' TESTS—
—FUM TH' GRASS ROOTS TO TH' DEEPEST IN TH' WORLD!! — 'AN WE IS ACCURATE, TH' FIRST TIME WE TRIES!!

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FORMATION AND CASING TESTING — JOHNSTON

first in drill stem testing

HOUSTON, TEXAS

LOS ANGELES, CALIF • CALGARY, CAN.

Scott Joins Hillman-Kelley

W. R. K. Scott recently accepted a position with Hillman-Kelley as consulting and sales engineer. Mr. Scott's time will wisely be devoted to Hillman-Kelley's power tongs, both tubing tongs and casing tongs. Hillman-Kelley, at the present time, have a nationwide organization of contractors operating the casing tong in all the major oil fields in the United States. They also have tongs available in Canada and Venezuela.

W. R. K. Scott

Mr. Scott comes to Hillman-Kelley with a record of forty years in the steel and tubular business. Most of his business career was spent with Jones & Laughlin Steel Corporation and Illinois Steel Company of Gary, where he was chief metallurgical engineer. Mr. Scott is a graduate of metallurgical engineering from Penn State College.

At the present time, Mr. Scott is doing considerable research work in torque make-up for casing and tubing in an effort to coordinate the practices in various parts of the United States.

Security Engineering Names Bill Schacht Chief Sales Statistician

The appointment of Bill Schacht to the post of Chief Sales Statistician has been announced by A. M. Birnie, General Sales Manager of Security Engineering Division, one of the Dresser Industries.

Already underway in his new assignment, Schacht is currently engaged in establishing a new overall system of inventory control for Security's Whittier and Dallas plants. A similar system for Security's numerous regional offices is also being set up under his supervision.

Schacht first joined Security in 1947. Prior to his recent promotion, he held various responsible positions in the company, including extensive work in Security's sales control department.

Axelson Appoints Advertising and Public Relations Director

W. W. Greenway, Vice President of Pressed Steel Car Company, General Manager of Axelson Manufacturing Company Division, Los Angeles, California, recently appointed Bruce E. Ellithorpe as Director of Advertising and Public Relations. In this capacity, he will be responsible for Axelson's four divisions: Petroleum Equipment, Lathes, Aircraft Components and Foundry.

Bruce Ellithorpe

Mr. Ellithorpe was formerly associated with Grant Advertising Agency in Chicago and New York City, as an Account Executive and previously with the Marlin Electric Company of Chicago as Sales Manager. He received his education at Knox College, Galesburg, Illinois and The Citadel, "West Point of the South."

Mr. and Mrs. Ellithorpe and their three children reside in Altadena, California.

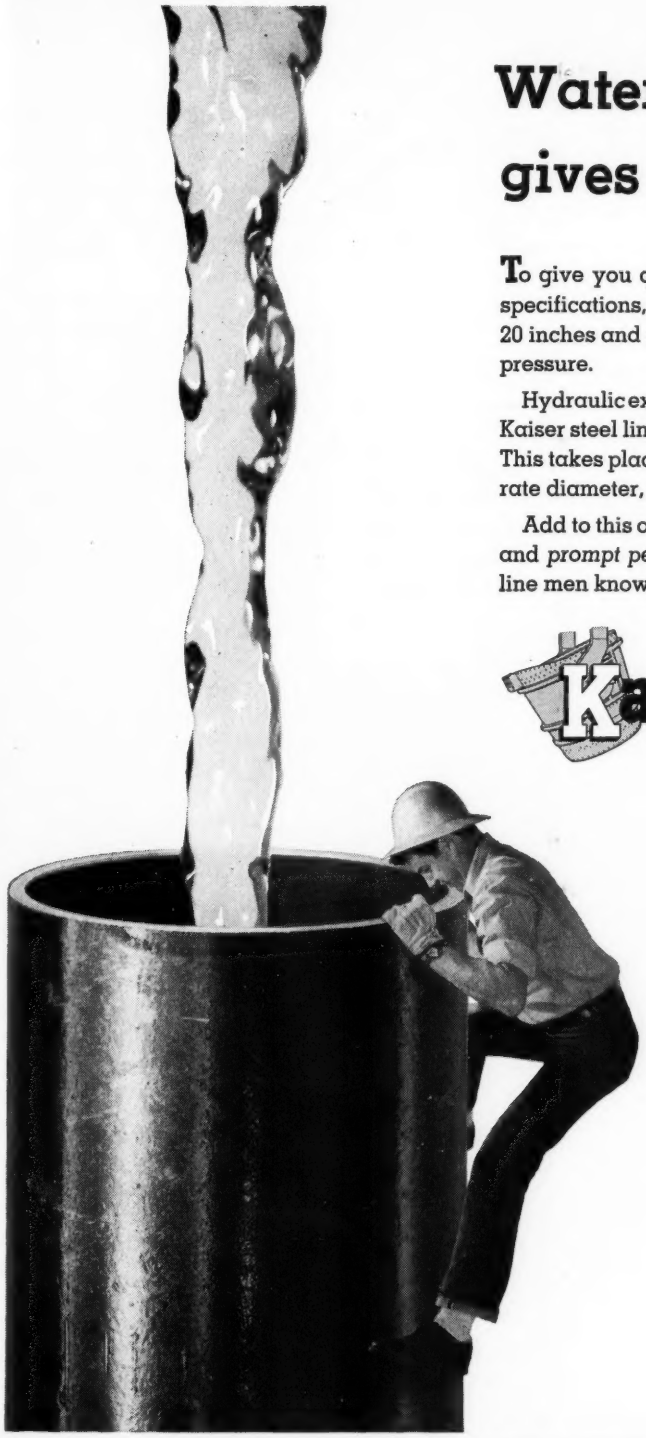
Gaso Appoints Power Pumps

Gaso Pump & Burner Mf. Co., announces the appointment of Power Pumps, Incorporated, as Pacific Coast distributor for Gaso Pumps. Headquarters of Power Pumps, Inc., are at 3273 Cherry Ave., Long Beach, where complete stocks of Gaso Pumps and parts will be maintained. The telephone number is Long Beach 4-3908.

Ralph Abbott

The new distributing company is headed by Ralph Abbott and associates. Mr. Abbott has had 15 years' experience in the oil fields of California, 13 of them as branch and area manager for Republic Supply Company. For the past two years he has been special manufacturers' representative specializing in products used in the oil and pipe line industries.

Offices of Campbell, Shell & Collins Oil Company have been moved from 510 West Sixth Street to 3729 Wilshire boulevard, Los Angeles. The change was made in order to obtain additional space for the newly-organized McNee Oil Company, which will also be managed from these same offices. McNee Oil Company officers are George C. McNee, president; Alex N. Campbell, vice president; and Chaplin Collins, secretary-treasurer.



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To give you quality line pipe that meets your exact specifications, every length of Basalt-Kaiser steel pipe 20 inches and over is expanded by water under great pressure.

Hydraulic expansion increases the strength of Basalt-Kaiser steel line pipe through additional cold working. This takes place within restraining dies assuring accurate diameter, concentricity, and straightness.

Add to this our *on-time delivery, wide range of sizes* and *prompt personal service* and it's clear why pipeline men know they can rely on Kaiser Steel.

Kaiser Steel

KAISER STEEL PIPE SPECIFICATIONS • All pipe manufactured to latest A.S.T.M. and A.P.I. specifications

Type	Diameter	Length	Wall Thickness	Shipping Point
Continuous Weld—Threaded and Coupled	½" to 4" nominal I.D.	Uniform 21'	Standard	Fontana, Calif.
Continuous Weld—Plain End	2⅜" to 4½" O.D.	Up to 40'	Standard	Fontana, Calif.
Electric Resistance and Fusion Weld—Plain End	14" to 18" O.D.	Up to 40'	.250" to .500"	Napa, Calif.—Basalt-Kaiser
Electric Resistance Weld—Plain End	5⅝" to 12¾" O.D.	Up to 55'	.188" to .375"	Fontana, Calif.
Electric Fusion Weld—Expanded—Plain End	20" to 30" O.D.	Up to 40'	.250" to .500"	Napa, Calif.—Basalt-Kaiser

Prompt, dependable delivery at competitive prices • **KAISER STEEL CORPORATION** Los Angeles, Oakland, Seattle, Portland, Houston, Tulsa, New York

Anderson-BeVier Company Formed

The Buda Engine and Equipment Co., Inc., a subsidiary of the Allis-Chalmers Manufacturing Company, has just announced the formation of the Anderson-BeVier Company, Inc. to act as distributors for Buda engines, parts and service.

The Anderson-BeVier Co., Inc. is owned and operated by Messrs. A. Anderson and J. D. BeVier, both former employees of the Buda Engine and Equipment Co., Inc.

Mr. Anderson has been in the employ of the Buda Company for quite a number of years, having served in the capacities of district manager for the Mid-Continent area, branch manager of the Chicago branch and general manager of the California branches. For the past two years, he has served in the capacity of West Coast regional manager.

Mr. BeVier for a number of years was associated with the LeRoi Company of Milwaukee, Wis., where he served as service sales manager and was later transferred to the West Coast to handle the sale of LeRoi engines in that territory. Later, he became associated with the Buda Company, serving in the capacity of manager of the California stores and assistant general manager of the California branches.

Both Messrs. Anderson and BeVier are not newcomers to the trade and they will welcome seeing their old friends.

The new corporation will retain the present personnel and will have Mr. W. H. Benduhn serving in the capacity of branch manager for the Long Beach store and Mr. D. L. Chumbley as branch manager for the Bakersfield store.

The Buda Company, which is now a division of the Allis-Chalmers Mfg. Co., was established in 1881 and has built up an exceptional product reputation. Internal combustion engines for operating on gasoline, butane, propane, natural gas and sludge gas, as well as diesel fuel, are built in fifty different models, ranging in size from 5 to 500 h.p. These engines are adaptable to all types of installations.

The name "Buda" is an every day word in the oil industry. "Where there is oil there is Buda." A large number of Buda units are in operation on production pumping, drilling and pipe line installations.

The Buda Company has just recently developed a series of light weight diesel engines for use in the marine field, which have gained immediate acceptance due to the low ratio of horsepower per weight.

Buda has also made great strides in the trucking industry through the development of its 161 Series of diesel engines. These engines are now available with most major truck manufacturers and a large number have been sold for replacements in existing trucks.

The Buda Company is also in a position to supply a complete line of engine generator sets for operation on all types of fuel, including diesel fuel.

A complete stock of engines as well as service parts will be carried at the present locations by the new corporation so that sales and service will be available to the oilfield, industrial, marine and automotive fields. The main office of Anderson-BeVier Company is located at 2529 Chambers Street, Los Angeles 58, California and with branch offices at 3271 Cherry Avenue, Long Beach 6, California and 25 Union Avenue, Bakersfield, California.

Shallow-To-Medium Rig Built By "Oilwell"

A new rig for 3,500 foot to 6,000 foot drilling, with 4½" drill pipe, has just been introduced by Oil Well Supply Division, United States Steel Corporation. Known as the No. 52-T, this new rig boasts all the functional and structural features which have long been available in the other rigs in "Oilwell's" line.

This rig is designed with a torque converter mounted in the draw works which permits a wide choice of engines by simply selecting the proper engine sprocket size to give the correct torque converter speed. An integral transmission provides two forward speeds and one reverse speed for both the drum and the rotary. Single or dual engine drives are available. The torque converter can be removed from the draw works if engine mounted torque converters are to be used.

This rig is also equipped with "Oilwell's" popular Type 306° wrap main brake and uses spray water cooling to the brake rims. A built-in hydromatic brake is driven from the off driller's side.

The No. 52-T is equipped with a combination pressure oil and grease lubrication system. All grease fittings are conveniently located and grouped together for easy access.

An optional full floating sand reel mounted on the catshaft can be furnished. The sand reel has large band brakes and an air operated friction clutch. The capacity of the sand reel permits spooling of 12,150 feet of 9/16" line. All guards and covers are removable to provide access for servicing.

The chain drives used in this rig are of the precision roller type, installed over machine cut sprockets. The reverse drive is an accurately cut gear train. High quality heat-treated shafts are used throughout and the rig is completely equipped with anti-friction bearings of high capacity.

This younger brother to "Oilwell's" No. 66, No. 76, and No. 96 rigs is very well suited for portable drilling operations. The complete rig is normally transported as a single unit or the power unit can be easily removed to reduce overall width if necessary.

Standard Oil's Bob Roberts will return to Los Angeles headquarters early in October from a well-earned vacation that was enjoyed at the higher points of interest in California, Nevada and other Western states.

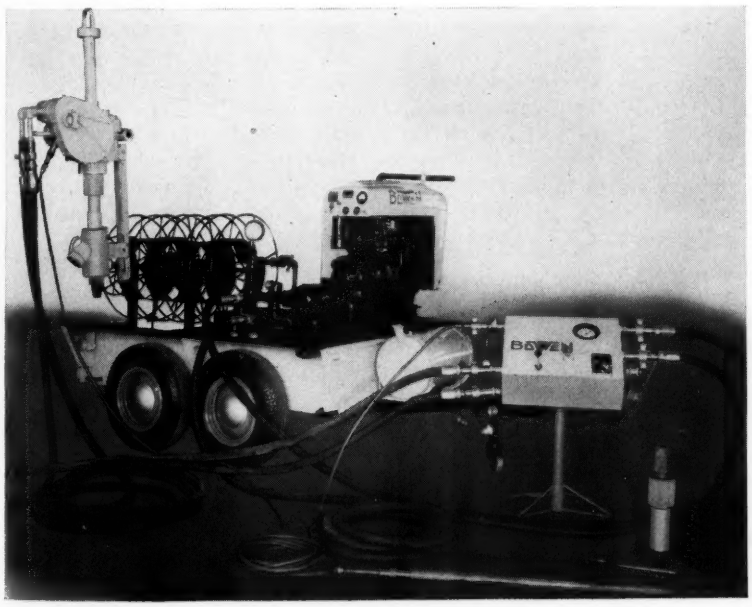
Captain Frederic Libby, veteran oil producer, has opened new offices at 817 North Vine Street in Hollywood. The Captain was one of the country's greatest air aces in World War I.

Sonya Smith, a member of Standard Oil's public relations staff at Los Angeles, has changed her place of residence from Los Angeles to Newport Beach. She is currently on a leave of absence.

Type "D" Bowen Powered Swivel

S. R. Bowen Co. announces the new Type D Bowen Powered Swivel. This new unit develops a speed of 80 R.P.M. in high gear and a speed of 40 R.P.M. in low gear—an increase in speed of more than 85% over the speed developed by the popular and widely used Type C Bowen Powered Swivel and more than double that of any other unit of this type now on the market. The torque that this new unit develops is approximately the same as that developed by the Type C Swivel. With the addition of this new unit to its line, the S. R. Bowen Co. now offers to the trade three sizes of Bowen Powered Swivels— the Type B, the Type C and the Type D. All of these Powered Swivels are available either as skid mounted units or as trailer mounted units.

Bowen Powered Swivels consist essentially of a Prime Mover Unit, a Control Unit and a Swivel Unit. The Prime Mover Unit of the new Type D Powered Swivel and the Type C Powered Swivel is powered by a 44 H.P., 4 cylinder, overhead valve, water cooled, gasoline engine and the Prime Mover of the Type B Bowen Powered Swivel is powered by a two cylinder, 12 H.P., air cooled gasoline engine. In all units, the gasoline engine is coupled through a gear reduction to a hydraulic pump which is provided with a relief valve to protect the entire assembly from overloading — and both the engine and the hydraulic pump are mounted on an oil reservoir. The Control Unit of all Bowen Powered Swivels is pedestal mounted and is provided with a speed regulator, a direction control and a torque control enabling the operator to easily and instantly control the speed, the direction of rotation and the torque that the unit will develop. The Swivel Unit consists of a fluid motor coupled through gear reductions to a drive sub. An elevator sub is provided so that the unit can be easily suspended in the derrick. The Hoses are in fifty foot lengths to permit operation of a Swivel Unit high in the derrick and to permit location of the Gasoline Engine at a safe distance from any danger area. The hoses are equipped with Self-Sealing Couplings which provide easy connecting and disconnecting and which positively prevent fluid loss.



Bowen Powered Swivels are used by operators for all types of medium and light duty rotary operations because they eliminate the necessity of moving in kellys, rotary tables or other heavy equipment for short time rotary work and because they eliminate the inefficiency and even danger of rotating strings by hand. Thus they ideally provide the driving power for internal cutting of casing, drill pipe and tubing, for drilling out cement following squeeze jobs; for backing off sucker rods and tubing, for drilling out obstructions in casing and tubing; for milling in casing and tubing, for scraping liners; for deepening holes, etc.

When circulation is required, a Swiveling Hose Connection is available for installation in place of the Drive Sub. This arrangement eliminates any danger of contaminating the lubricating fluid within the Swivel Unit.

New PB Oilfield Rubber Products Catalog

The PB Division of Byron Jackson Co. announces the availability of a new 52-page, two-color catalog illustrating and describing the complete line of PB Oilfield Rubber Products. More than 30 different product categories and several hundred models are listed, including drill pipe protectors and stabilizers, pipe wipers, wire line guides, bumpers, mud equipment and other oilfield specialties.

One of the features of this new catalog is the Clearance Ratio

Charts for instant, accurate selection of the correct size of protector or stabilizer for any drilling operation. Detailed descriptions of all products are provided, including individual weights, sizes, prices and code names. Similar information is supplied on component parts of products.

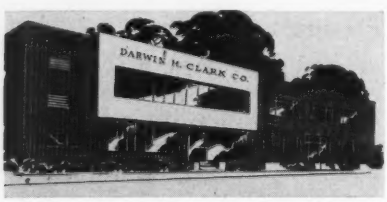
According to PB, special emphasis was given in the preparation to providing all information necessary to the evaluation, selection and ordering of any PB product, using this one catalog.

Ordering instructions are included and a special section provided on protector and stabilizer installation and removal tools, both hydraulic and mechanical.

This catalog is available without obligation by writing: PB Division, Byron Jackson Co., P.O. Box 2493, Terminal Annex, Los Angeles 54, Calif.

Darwin Clark Moves to Larger Quarters

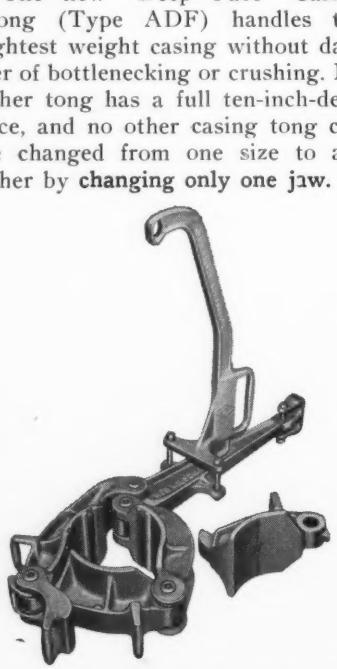
Doubling the size of its quarters, Darwin H. Clark Co., well-known Los Angeles Advertising Agency, has moved to its own building at 1145 West Sixth Street, Los Angeles. The new 2-story structure has a frontage of 108 feet and ample parking in the rear. It incorporates every modern facility for advertising service to clients, which includes many leading industrial, scientific, consumer and financial organizations. As exclusive Los Angeles member of Trans-America Advertising Agency Network, the agency has associate offices in 18 principal marketing centers from coast to coast.



Agency personnel includes Darwin H. Clark, manager; M. L. Gowans, assistant manager; Karl Lott, Jr., and Dent Dowler, account executives; William Kaup, copy chief; George McGinnis, art director; Art Langton, director of publications; C. Manford Grove, production manager; Dick Faust, media buyer; Dana Lovejoy, Jr., radio and TV, and Diane Ver Valen, cashier.

New Web Wilson Casing Tong Proves To Be "Casing Saver"

The new "Deep Face" Casing Tong (Type ADF) handles the lightest weight casing without danger of bottlenecking or crushing. No other tong has a full ten-inch-deep face, and no other casing tong can be changed from one size to another by **changing only one jaw.**



Each of the four die slots contains two (2) Tiger Tooth Tong Dies—a total of eight (8) dies—with 34 inches of die contact around the casing.

Only five interchangeable Lug Jaws are needed to fit all casing sizes 9 5/8" to 17" O.D., and each Lug Jaw fits **both** the casing and the coupling of a given size.

Available as a complete tong, or the Type ADF **head only** can be fitted to any Type "AAX" Web Wilson Rotary Tong Lever and Hanger. For additional details address Web Wilson Oil Tools, Inc., Box 72096, Los Angeles 2, California.

McFann Drilling Company
Oil Well Contractors
3901 Cedar Avenue
Long Beach 7, California
August 30, 1954

California Oil World
2404 West Seventh Street
Los Angeles 57, California

Gentlemen:

You will find enclosed a check for my subscription to the California Oil World.

Some time ago a picture appeared in one of your publications—it happened to be a picture taken at the time my rig was with the U. S. Drilling Company over at Santa Fe Springs. It was taken from up in the derrick and beneath the picture it stated that it was Victor Rothschild's No. 50 National Rig. This was not true. The Rig belongs to me and it is only rented to him.

This led to the belief in the oil business in general that I had sold my National No. 50 Rig and that I had gone completely out of the oil business.

This misunderstanding lost me work for my rig as everyone thought it belonged to Victor whereas he only rents it from one well to another and the contract is completed upon the completion of each well unless it is mutually agreeable to continue with the contract.

I wish very much that you could in some way help me to correct this misunderstanding among the oil business in general. I am enclosing a copy of a letter which I mailed to some of the contractors.

The Rig is now operating on the Continental McCue USL 1 22 miles north from Castaic Junction on Highway 99. The U. S. Drilling Company is the contractor.

Sincerely,
Lottie B. McFann

(Our apologies to Mrs. McFann.)

San Joaquin Valley has never seen a nicer gathering than at the celebration honoring Standard Oil Company of California on its 75th anniversary September 9. It was held in Taft under the auspices of the famed oil city's Chamber of Commerce, of which Vern McCloud is secretary. Among members of the Standard family on hand were President Ted Petersen, and Vice Presidents W. W. Davison, Gage Lund, F. M. Jayne, J. E. Toussaint, Floyd Bryant and George O'Brien. Others identified with making the affair a tremendous success, included J. J. Oliphant, General Petroleum Corporation; Herb Stark, Honolulu Oil Corporation; and A. B. Newby, Southern California Gas Company. The party was open to everyone and all people of the community were invited.

Mobile Unit Displays New Halliburton Service Tools

Cutaway working models of new tools used in Formation Fracturing, Drill Stem Testing, Cementing, and Acidizing are now on display in Halliburton's mobile unit pictured below. This display is creating much interest in the advanced development of tools for oil production improvement. The one-quarter cutaway models have working parts in different colors for easy viewing and better understanding of the mechanics of each.

Trailer contains 22 separate tools including new Drill Stem Testing Equipment, Formation Fracturing Packers, new Super Seal and Turbo Jet Floating Equipment, special tools for remedial and squeeze cementing, Measuring Devices, Centralizers, and Roto Wall Cleaners.

The Halliburton mobile unit will be on display for a month traveling from Norwalk, Long Beach, Bakersfield, and Ventura.

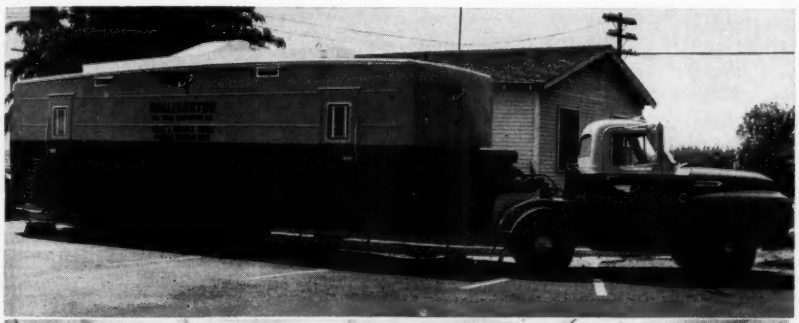
Leo A. Castler Advanced To Chief Design Engineer

Leo A. Castler has been advanced to the post of Chief Design Engineer in the Engineering Department of the General Petroleum Corporation, according to an announcement by C. M. Reading, department manager.

Castler, who joined the company in 1943 as a senior draftsman, will report directly to F. C. King, assistant manager at the Torrance (Calif.) engineering offices. Castler became a job engineer in 1947 and a project engineer, his former post, in 1951.

During World War II he served with the United States Army Engineers, assisting in the design of petroleum storage and distribution systems in military airports and in the design of a new refinery in Canada.

A native of San Francisco and graduate of the University of California in 1940, Castler played on California's winning 1937 Rose Bowl team.



Marvel Petroleum Enters Mutau Flats

Ventura County new wildcatting is conspicuous by the start of Marvel Petroleum Corporation exploratory venture at Mutau Flats, approximately 15 miles east of Ozena. Location is only a few miles north of a production failure which was drilled three years ago by C. G. Perry to something like 3000 feet. This drill site of yesteryear was on Section 2-6n-21w.

Geared to California

AMERICAN leads as a West Coast **Manufacturer,** offering a complete line of production equipment for oil field operation. To California oil producers this means speedy, on the ground service including major fabrication.

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THIS

LAUGH

OFF!!

The young doctor had just started his practice in the town, and the woman patient was worried about a skin rash. The young physician, puzzled by his findings, got out his medical books and studied them for a few minutes.

Still puzzled, he turned to the woman, "Did you ever have this trouble before?"

"Yes, sir," the patient said, "I've had this skin rash twice."

"Well," the young doctor said, "I'm sorry to say, but you've surely got it again."

The story told to four year old Charles was about a little boy who had some exciting adventures. When the story was finished, Charles asked, "But where was the boy's mother?"

"The story didn't mention his mother," was the reply, "so perhaps he didn't have a mother; maybe she was dead."

Charles commented dramatically, "I bet she was killed in a nervous wreck."

Two small boys were sitting on the curb when a pretty little girl walked across the street.

"Gee, what a cute little girl," one said.

"Aw," the other one said cynically, "pretty girls are a dime a dozen."

"Gosh, I wish I'd known that before—I've been using my money for jelly beans!"

"Jerry, I hear you have a new little sister," his uncle remarked. "Do you like her?"

"Yes," the little fellow answered. "But I wish it had been a boy so I could play marbles and baseball with him."

"Then why don't you exchange her for a brother?" the uncle joked.

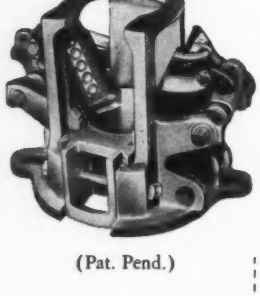
"I can't," Jerry whimpered, "it's too late now. We used her a couple of days."

Two little boys were playing Indians, and accidentally one of the arrows sailed into the yard next door.

A small head bobbed over the fence and a meek little voice asked, "Please, Ma'am, may I have my arrow?"

"Certainly," replied the neighbor. "Where is it?"

"I think," he answered timidly, "that it's stuck in your cat."



(Pat. Pend.)

Air-powered

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(A Cavins Co. Product)

Two of the many reasons why you will be glad to own an

Advance

TUBING SPIDER

1 **Covers All Sizes:** Made in two sizes. Will handle all single strings from 1¼" tubing to 4½" OD casing, also all 2-string and 3-string parallel installations.

2 **For Rotary Work:** May be used on a rotary table with our adapter plate which fits in the master bushing.

Bulletin TS-54 tells the whole story.
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